



CATALOG 1973-1974

# Amherst College Bulletin

VOLUME 63 • NUMBER 3

NOVEMBER 1973



Digitized by the Internet Archive  
in 2014

<http://archive.org/details/catalog1973amhe>

*JBH*

# Amherst College Bulletin

VOLUME 63 • NUMBER 3

NOVEMBER 1973



CATALOG 1973-1974

# DIRECTIONS FOR CORRESPONDENCE

The post office and telegraph address of the College is Amherst, Massachusetts, 01002. The telephone number for all departments is 542-2000 (Area Code 413).

General information about Amherst College is available upon request from the Office of the Secretary, Box 65, Amherst College, Amherst, Massachusetts 01002.

Specific inquiries on the following subjects should be addressed to the officers named below:

Admission of students  
and catalog requests

Alumni matters

Business matters

Financial Aid

Student affairs

Transcripts and records

Edward B. Wall, *Dean of Admission*

Frederic J. Gardner, *Secretary of the  
Alumni Council*

Kurt M. Hertzfeld, *Treasurer*

Dean Donald McM. Routh

Dean David Drinkwater

Robert F. Grose, *Registrar*



The New England Association of Schools and Colleges accredits schools and colleges in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary school meet the standards of membership.

**Amherst College Bulletin** is published monthly except in February, June, and August by Amherst College, Amherst, Massachusetts 01002. Second-class postage paid at Amherst, Massachusetts. *Volume 63, Number 3. November 1973.*



# Contents

## CALENDAR

I	THE CORPORATION	3
	FACULTY	5
	FELLOWS	24
	ADMINISTRATION	27
II	AMHERST COLLEGE	35
	ADMISSION	41
	GENERAL REGULATIONS	45
	TUITION AND FEES	51
	FINANCIAL AID	53
	DEGREE REQUIREMENTS	57
III	COURSES OF INSTRUCTION	67
IV	LECTURESHIPS	209
	HONORS	210
	FELLOWSHIPS	213
	PRIZES AND AWARDS	219
	DEGREES CONFERRED	228
V	ENROLLMENT	247
VI	THE SOCIETY OF THE ALUMNI	283
	THE ALUMNI COUNCIL	284
	THE ALUMNI ASSOCIATIONS	287
	INDEX	293

# 1973-1975

JULY 1973							AUGUST							SEPTEMBER							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1	2	3	4						1		1	2	3	4	5	6	
8	9	10	11	12	13	14	5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13
15	16	17	18	19	20	21	12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20
22	23	24	25	26	27	28	19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27
29	30	31					26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31			
														30													

30

NOVEMBER							DECEMBER							JANUARY 1974							FEBRUARY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	2	3					1						1	2	3	4	5			1	2
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12	3	4	5	6	7	8	9
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19	10	11	12	13	14	15	16
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26	17	18	19	20	21	22	23
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30	31			24	25	26	27	28		

30 31

MARCH							APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	2						1						1	2	3	4	5			1	2
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29

31

30

JULY							AUGUST							SEPTEMBER							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1						1	2	3	4	5	6	7								1	2
7	8	9	10	11	12	13	4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12
14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19
21	22	23	24	25	26	27	18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26
28	29	30	31				25	26	27	28	29	30	31	29	30						27	28	29	30	31		

NOVEMBER							DECEMBER							JANUARY 1975							FEBRUARY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	2						1	2	3	4				1	2	3	4	5			1
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11	2	3	4	5	6	7	8
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18	9	10	11	12	13	14	15
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	16	17	18	19	20	21	22
24	25	26	27	28	29	30	29	30	31					26	27	28	29	30	31		23	24	25	26	27	28	

MARCH							APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1							1						1	2	3	4	5	6	7		
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31	29	30					

30 31

# College Calendar

## 1973

*September 4, Tuesday.* Freshman orientation begins.

*September 7, Friday.* First semester classes begin, 8:00 a.m.

*September 8, Saturday.* Thursday classes held.

*September 21, Friday.* Last day for first semester course changes.

*October 12–13, Friday–Saturday.* Bowdoin football game—  
Freshman parents weekend.

*October 27, Saturday.* Wesleyan football game at Amherst.

*November 16, Friday.* Fall recess begins, 5:00 p.m.

*November 17, Saturday.* Williams football game at Williams.

*November 26, Monday.* Fall recess ends, 8:00 a.m.

*December 12, Wednesday.* Last day of first semester classes.

*December 15–19, Saturday–Wednesday.* First semester examination period.

*December 20, Thursday.* Winter recess begins.

## 1974

*January 7, Monday.* Winter recess ends; beginning of interterm.

*February 1, Friday.* Interterm ends.

*February 4, Monday.* Second semester classes begin, 8:00 a.m.

*February 18, Monday.* Last day for second semester course changes.

*March 22, Friday.* Spring recess begins, 5:00 p.m.

*April 1, Monday.* Spring recess ends, 8:00 a.m.

*May 17, Friday.* Last day of second semester classes.

*May 21–25, Tuesday–Saturday.* Second semester examination period.

*June 7, Friday.* Commencement.



# I

THE CORPORATION

FACULTY

FELLOWS

ADMINISTRATION

*The Robert Frost Library*







# The Corporation\*

## CHAIRMAN OF THE CORPORATION

George Latimer Shinn, B.A., *New York, New York*

## HONORARY CHAIRMAN OF THE CORPORATION AND TRUSTEE EMERITUS

John Jay McCloy, LL.B., *New York, New York*

## PRESIDENT OF THE COLLEGE

John William Ward, PH.D., *Amherst, Massachusetts*

## TRUSTEES

George Bickley Beitzel, M.B.A., *Armonk, New York*

Paul Errol Bragdon,† LL.B., *Portland, Oregon*

Robert William Carington,† M.A.RCH., *Chicago, Illinois*

Howard Oliver Colgan, Jr., LL.B., *New York, New York*

Theodore Lamont Cross II, LL.B., *New York, New York*

Kendall Bush DeBevoise,‡ LL.B., *New York, New York*

John Cushing Esty, Jr.,† M.A., *Cambridge, Massachusetts*

William Henry Hastie, S.J.D., *Philadelphia, Pennsylvania*

David Lewis Kirp,† LL.B., *Berkeley, California*

Harry William Knight, M.B.A., *New York, New York*

William Clarence Liedtke, Jr., LL.B., *Houston, Texas*

Robert Jackson McKean, Jr.,† LL.B., *New York, New York*

Oliver Boutwell Merrill, LL.B., *New York, New York*

Gail Thain Parker, PH.D., *Bennington, Vermont*

George Edward Peterson,† PH.D., *Washington, D.C.*

William Willard Wirtz, LL.B., *Washington, D.C.*

## SECRETARY OF THE CORPORATION

John Lewis Callahan, Jr., B.A., *Amherst, Massachusetts*

## TRUSTEES EMERITI

Julius Seelye Bixler, PH.D., *Jaffrey, New Hampshire*

Lewis Williams Douglas, B.A., *Tucson, Arizona*

Walter Gellhorn, LL.B., *New York, New York*

John Anthony Hill, LL.B., *Scottsdale, Arizona*

Arthur Lee Kinsolving, B.D., *Baltimore, Maryland*

Francis Taylor Pearsons Plimpton, LL.B., *New York, New York*

Eustace Seligman, LL.B., *New York, New York*

\*As of November 10, 1973.

†Alumni Trustees, whose terms expire as follows: David Lewis Kirp, 1974; George Edward Peterson, 1975; John Cushing Esty, Jr., 1976; Robert Jackson McKean, Jr., 1977; Paul Errol Bragdon, 1978; Robert William Carington, 1979.

‡Deceased July 2, 1973.

# COMMITTEES OF THE CORPORATION 1973-1974

The Chairman of the Corporation and the President of the College are members, *ex officio*, of all committees.

**Executive Committee.** Messrs. Shinn (Chairman), Beitzel, Bragdon, Carington, Colgan, Esty, Hastie, Knight, Liedtke, McKean, Wirtz.

**Budget and Finance Committee.** Messrs. Beitzel (Chairman), Liedtke, McKean, Merrill, Seligman, Wirtz.

**Investment Committee.** Messrs. Colgan (Chairman), Cross, Knight, Liedtke, Merrill, Peterson, Plimpton.

**Instruction Committee.** M/M Bragdon (Chairman), Cross, Esty, Hastie, Kirp, Parker, Peterson, Seligman.

**Buildings and Grounds Committee.** Messrs. Carington (Chairman), Esty, Hastie, Merrill, Seligman, Wirtz.

**Honorary Degrees Committee.** Messrs. Hastie (Chairman), Bragdon, Esty, Kirp, Peterson, Plimpton, Wirtz.

**Folger Shakespeare Library Committee.** M/M Wirtz (Chairman), Carington, Colgan, Hastie, Knight, Parker, Plimpton.

**Committee on Student Life.** M/M Esty (Chairman), Beitzel, Bragdon, Carington, Kirp, McKean, Parker.

**Personnel Committee.** Messrs. Liedtke (Chairman), Bragdon, Colgan, Cross, Peterson, Seligman.

**Committee on Development.** Messrs. McKean (Chairman), Beitzel, Colgan, Cross, Knight, Liedtke.

**Committee on Five College Relationships.** M/M Knight (Chairman), Beitzel, Carington, Kirp, McKean, Merrill, Parker.

The corporate name of the College is

THE TRUSTEES OF AMHERST COLLEGE

# Faculty

**John William Ward**, *President of the College*. A.B. (1947) Harvard College; M.A. (1950), Ph.D. (1953) University of Minnesota; M.A. (hon. 1965) Amherst College.

## EMERITI

**Charles Woolsey Cole**, *President, Emeritus*. B.A. (1927) Amherst College; A.M. (1928), Ph.D. (1931) Columbia University; L.H.D. (1942) Amherst College, (1951) University of Massachusetts, (1953) Trinity College; LL.D. (1946) Wagner College, (1946) Wesleyan University, (1946) Williams College, (1952) American International College, (1953) Doshisha University, (1954) Columbia University, (1960) Amherst College; Litt.D. (1948) Hamilton College; Sc.D. (1948) Clarkson College; LL.D. (1964) Emerson College.

**Calvin Hastings Plimpton**, *President, Emeritus*. B.A. (1939) Amherst College; M.D. (1943), M.A. (1947) Harvard University; Med. Sc.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; Sc.D. (1962) Rockford College; LL.D. (1962) Doshisha University; L.H.D. (1962) University of Massachusetts; Sc.D. (1963) Saint Mary's College; LL.D. (1963) St. Lawrence University; Litt.D. (1965) American International College; Sc.D. (1966) Trinity College; Sc.D. (1967) Grinnell College; Litt.D. (1969) Michigan State University; LL.D. (1971) Amherst College.

**George William Bain**, *Samuel A. Hitchcock Professor of Mineralogy and Geology, Emeritus*. B.Sc. (1921), M.Sc. (1923) McGill University; M.A. (1923), Ph.D. (1927) Columbia University; M.A. (hon. 1941) Amherst College.

**Theodore Baird**, *Samuel Williston Professor of English, Emeritus*. B.A. (1921) Hobart College; M.A. (1922), Ph.D. (1929) Harvard University; M.A. (hon. 1939) Amherst College.

**Ralph Alonzo Beebe**, *Massachusetts Professor of Chemistry, Emeritus*. B.A. (1920) Amherst College; Ph.D. (1923) Princeton University.

**Robert Hermann Breusch**, *Walker Professor of Mathematics*. Ph.D. (1932) University of Freiburg; M.A. (hon. 1954) Amherst College.

## AMHERST COLLEGE

**Stephen Brown**, *College Physician and Parmly Billings Professor of Hygiene*. B.A. (1928) Amherst College; M.D. (1932) Yale University.

**Paul Witherspoon Eckley**, *Professor of Physical Education, Emeritus*. B.A. (1917) Cornell University; M.A. (hon. 1949) Amherst College.

**Reginald Foster French**, *Professor of Romance Languages, Emeritus*. B.A. (1927) Dartmouth College; M.A. (1928), Ph.D. (1934) Harvard University; M.A. (hon. 1947) Amherst College.

**Alfred Freeman Havighurst**, *Professor of History, Emeritus*. B.A. (1925) Ohio Wesleyan University; M.A. (1928) University of Chicago; Ph.D. (1936) Harvard University; M.A. (hon. 1955) Amherst College.

**Michael Joseph Kennedy**, *Associate Professor of Physical Education, Emeritus*.

**George Wallace Kidder**, *Stone Professor of Biology, Emeritus*. B.A. (1926) University of Oregon; M.A. (1929) University of California; Ph.D. (1932) Columbia University; M.A. (hon. 1949) Amherst College; Sc.D. (hon. 1950) Wesleyan University.

**Theodore Koester**, *Professor of Psychology*. B.A. (1936) Wesleyan University; B.D. (1942) Hartford Theological Seminary; Ph.D. (1945) Columbia University; M.A. (hon. 1950) Amherst College.

**Albert Ernest Lumley**, *Professor of Physical Education, Emeritus*. B.A. (1925) Eastern Michigan College; M.A. (1938) Oberlin College; M.A. (hon. 1947) Amherst College.

**Ralph Cleland McGoun, Jr.**, *Professor of Dramatic Arts, Emeritus*. B.A. (1927), M.A. (1929) Amherst College.

**Newton Felch McKeon**, *Professor of English & Director of Robert Frost Library, Emeritus*. B.A. (1926) Amherst College.

**Allison Wilson Marsh**, *Professor of Hygiene and Physical Education, Emeritus*. B.A. (1913) Amherst College; M.Ed. (1925) Harvard University; L.H.D. (1963) Amherst College; L.A.D. (1971) Washington and Jefferson College.

**Charles Hill Morgan**, *Professor of Fine Arts on the William R. Mead Foundation, Emeritus*. B.A. (1924), M.A. (1926), Ph.D. (1928) Harvard University; M.A. (hon. 1938) Amherst College; LL.D. (1960) University of Vermont.

**Harold Henry Plough**, *Edward S. Harkness Professor of Biology, Emeritus*. B.A. (1913) Amherst College; M.A. (1915), Ph.D. (1917) Columbia University; Sc.D. (1963) Amherst College.



## FACULTY

**Charles Ensign Rogers**, *Professor of Fine Arts and Dramatic Arts, Emeritus*. B.A. (1927) Albion College; M.A. (1931) Columbia University; M.A. (hon. 1961) Amherst College.

**Steven Martin Rostas**, *Professor of Physical Education, Emeritus*. B.A. (1921) Br. Eötvös, Budapest; M.Ed. (1942) University of Massachusetts; M.A. (hon. 1961) Amherst College.

**Edward Dwight Salmon**, *Winkley Professor of History, Emeritus*. B.S. (1917) University of Rochester; M.A. (1923), Ph.D. (1934) Harvard University; M.A. (hon. 1938) Amherst College.

**Anthony Scenna**, *Professor of German, Emeritus*. B.A. (1927) Amherst College; M.A. (1929), Ph.D. (1937) Columbia University.

**Oscar Emile Schotté**, *Rufus Tyler Lincoln Professor of Biology, Emeritus*. B.S. (1920), Sc.D. (1925) University of Geneva; M.A. (hon. 1944) Amherst College.

**Theodore Soller**, *Professor of Physics, Emeritus*. B.A. (1922) Oberlin College; M.A. (1924), Ph.D. (1931) University of Wisconsin, M.A. (hon. 1946) Amherst College.

**Atherton Hall Sprague**, *Professor of Mathematics, Emeritus*. B.A. (1920) Amherst College; M.A. (1923), Ph.D. (1941) Princeton University.

**George Rogers Taylor**, *George D. Olds Professor of Economics, Emeritus*. Ph.B. (1921), Ph.D. (1929) University of Chicago; M.A. (hon. 1939) Amherst College.

**Willard Long Thorp**, *Professor of Economics, Emeritus*. B.A. (1920) Amherst College; M.A. (1921) University of Michigan; Ph.D. (1924) Columbia University; LL.D. (1935) Marietta College, (1949) Amherst College, (1950) Albright College, (1960) University of Massachusetts, (1960) University of Michigan.

**Frederick King Turgeon**, *Professor of French, Emeritus*. B.A. (1923) Bowdoin College; M.A. (1924), Ph.D. (1930) Harvard University; M.A. (hon. 1940) Amherst College.

**Richard Gilman Van Petersilge**, *Instructor in Physical Education, Emeritus*.

**Colston Estey Warne**, *Professor of Economics, Emeritus*. B.A. (1920), M.A. (1921) Cornell University; Ph.D. (1925) University of Chicago; M.A. (hon. 1942) Amherst College.

**Robert Byron Whitney**, *George H. Corey Professor of Chemistry, Emeritus*. B.A. (1924), Ph.D. (1927) University of Minnesota; M.A. (hon. 1944) Amherst College.

## AMHERST COLLEGE

**Albert Elmer Wood**, *Professor of Biology, Emeritus*. B.S. (1930) Princeton University; M.A. (1932), Ph.D. (1935) Columbia University; M.A. (hon. 1954) Amherst College.

## LECTURERS

**Henry Steele Commager**, *Simpson Lecturer in History*. Ph.B. (1923), M.A. (1924), Ph.D. (1928) University of Chicago. M.A. (hon. 1947) Cambridge University, (hon. 1952) Oxford University, (hon. 1957) Amherst College; Ed.D. (1960) Rhode Island College of Education; Litt.D. (1958) Washington College, (1959) Ohio Wesleyan University, (1959) Monmouth College, (1964) University of Pittsburgh, (1965) Marymount College, (1967) Marietta College, (1970) Hampshire College; D.Litt. (1960) Michigan State University, (1962) Cambridge University, (1962) West Virginia University, (1962) Franklin and Marshall College; L.H.D. (1960) Brandeis University, (1962) University of Hartford, (1963) University of Puget Sound, (1964) Alfred College; LL.D. (1967) Merrimack College, (1967) Carleton College, (1967) Dickinson College, (1968) Franklin Pierce College, (1969) Columbia University, (1970) Ohio State University; D.H.L. (1970) Maryville College, (1972) University of Massachusetts.

**Earl Latham**, *Distinguished Lecturer in Political Science*. B.A. (1931), Ph.D. (1939) Harvard University; M.A. (hon. 1949) Amherst College.

## PROFESSORS

**Hugh George Jeffrey Aitken\***, *Professor of Economics*. B.A. (1943), M.A. (1947) St. Andrews University; M.A. (1948) University of Toronto; Ph.D. (1951) Harvard University; M.A. (hon. 1966) Amherst College.

**Duane W. Bailey**, *Professor of Mathematics*. B.A. (1957) Washington State University; M.A. (1959), Ph.D. (1961) University of Oregon.

**Ralph E. Beals\***, *Professor of Economics*. B.S. (1958) University of Kentucky; M.A. (1959) Northwestern University; Ph.D. (1970) Massachusetts Institute of Technology; M.A. (hon. 1971) Amherst College.

**Bruce Buzzell Bensont**, *Professor of Physics*. B.A. (1943) Amherst College; M.S. (1945), Ph.D. (1947) Yale University.

\*On leave 1973-74.

†On leave first semester 1973-74.



## FACULTY

**Norman Birnbaum**, *Professor of Sociology*. B.A. (1947) Williams College; M.A. (1951) Harvard University; M.A. (1960) Oxford University; Ph.D. (1958) Harvard University; M.A. (hon. 1969) Amherst College.

**Walter Leroy Boughtont**†, *Stanley King Professor of Dramatic Arts and Director of Kirby Memorial Theater*. B.A. (1941), M.A. (1949) Brown University; M.F.A. (1951) Yale University; M.A. (hon. 1964) Amherst College.

**Gerald Patrick Brophy**†, *Professor of Geology*. B.A. (1951), M.A. (1953), Ph.D. (1954) Columbia University; M.A. (hon. 1968) Amherst College.

**Lincoln Pierson Brower**\*, *Professor of Biology*. B.A. (1953) Princeton University; Ph.D. (1957) Yale University; M.A. (hon. 1968) Amherst College.

**John Arthur Cameron**, *Professor of English*. B.A. (1952), M.A. (1957), Ph.D. (1963) Yale University; Diploma (1955) University of Edinburgh; M.A. (hon. 1970) Amherst College.

**Jeffrey James Carre**, *Professor of Romance Languages*. B.A. (1940) Bowdoin College; Ph.D. (1950) Columbia; M.A. (hon. 1964) Amherst College.

**Richard John Cody**‡, *Professor of English and College Librarian*. B.A. (1952) University of London (University College, Southampton); M.A. (1958), Ph.D. (1961) University of Minnesota; M.A. (hon. 1968) Amherst College.

**Arnold Collery**, *Professor of Economics*. B.A. (1950) University of Buffalo; Ph.D. (1958) Princeton University; M.A. (hon. 1964) Amherst College.

**Haskell Robert Coplin**, *Professor of Psychology*. B.A. (1947), M.A. (1948), Ph.D. (1951) University of Michigan; M.A. (hon. 1957) Amherst College.

**George Armour Craig**, *Professor of English*. B.A. (1937) Amherst College; M.A. (1938), Ph.D. (1947) Harvard University.

**Peter Czap, Jr.**, *Professor of History*. B.A. (1953) Rutgers University; Ph.D. (1959) Cornell University.

**Asa Davis**, *Professor of History and Black Studies*. B.A. (1948) Wilberforce University; S.T.B. (1951), S.T.M. (1952), Ph.D. (1960) Harvard University; M.A. (hon. 1972) Amherst College.

**Benjamin Haile DeMott**, *Professor of English*. B.A. (1949) George Washington University; M.A. (1950), Ph.D. (1953) Harvard University; M.A. (hon. 1960) Amherst College.

**Colby Wilson Dempsey**, *Professor of Physics*. B.A. (1952) Oberlin College; M.A. (1955), Ph.D. (1957) Rice Institute; M.A. (hon. 1968) Amherst College.

\*On leave 1973-74.

†On leave first semester 1973-74.

‡On leave second semester 1973-74.

## AMHERST COLLEGE

**Henry Frederick Dunbar, Jr.**, *Professor of Physical Education*. B.A. (1944) Amherst College; M.A. (1949) Teachers College, Columbia University; Ph.D. (1950) Columbia University.

**Joseph Epstein**, *Professor of Philosophy*. B.S.S. (1939) City College of New York; Ph.D. (1951) Columbia University; M.A. (hon. 1961) Amherst College.

**Richard David Fink**, *Professor of Chemistry*. A.B. (1958) Harvard University; Ph.D. (1962) Massachusetts Institute of Technology; M.A. (hon. 1971) Amherst College.

**Richard Martin Foose**, *Professor of Geology*. B.S. (1937) Franklin and Marshall College; M.S. (1939) Northwestern University; Ph.D. (1942) Johns Hopkins University; M.A. (hon. 1964) Amherst College.

**Prosser Gifford**, *Professor of History and Dean of the Faculty*. B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard Law School; Ph.D. (1964) Yale University; M.A. (hon. 1969) Amherst College.

**Elmo Giordanetti**, *Professor of Romance Languages*. B.A. (1951) Bowdoin College; M.A. (1954), Ph.D. (1959) Princeton University; M.A. (hon. 1968) Amherst College.

**Joel Ethan Gordon**, *Professor of Physics*. B.A. (1952) Harvard University; Ph.D. (1958) University of California; M.A. (hon. 1969) Amherst College.

**Theodore Phinney Greene†**, *Professor of History*. B.A. (1943) Amherst College; M.A. (1948), Ph.D. (1970) Columbia University.

**Allen Guttmann†**, *Professor of English & American Studies*. B.A. (1953) University of Florida; M.A. (1956) Columbia University; Ph.D. (1961) University of Minnesota; M.A. (hon. 1971) Amherst College.

**John Burt Halsted‡**, *Professor of History*. B.A. (1949), M.A. (1949) Wesleyan University; Ph.D. (1954) Columbia University; M.A. (hon. 1966) Amherst College.

**Edward Robert Harrison**, *Professor, Five-College Department of Astronomy*. Fellow, Institute of Physics (England); Fellow, Royal Astronomical Society.

**Hugh Dodge Hawkins\***, *Professor of History and American Studies*. B.A. (1950) DePauw University; Ph.D. (1954) Johns Hopkins University; M.A. (hon. 1969) Amherst College.

**William Webster Heath**, *Professor of English*. B.A. (1951) Amherst College; M.A. (1952) Columbia University; Ph.D. (1956) University of Wisconsin.

\*On leave 1973-74.

†On leave first semester 1973-74.

‡On leave second semester 1973-74.

## FACULTY

**William Michael Hexter**, *Professor of Biology*. B.A. (1949) University of California (Berkeley); M.A. (1951), Ph.D. (1953) University of California; M.A. (hon. 1966) Amherst College.

**Nelly Schargo Hoyt**, *Visiting Professor of History*. B.A. (1943) Smith College; M.A. (1944), Ph.D. (1946) Columbia University.

**William Michael Irvine\***, *Professor, Five-College Department of Astronomy*. B.A. (1957) Pomona College; Ph.D. (1961) Harvard University.

**Ernest Alfred Johnson**, *Professor of Romance Languages*. B.A. (1939) Amherst College; M.A. (1940) University of Chicago; M.A. (1941), Ph.D. (1950) Harvard University.

**George Anthony Kateb**, *Professor of Political Science*. B.A. (1952), M.A. (1953), Ph.D. (1960) Columbia University; M.A. (hon. 1967) Amherst College.

**William Elmer Kennick†**, *Professor of Philosophy*. B.A. (1945) Oberlin College; Ph.D. (1952) Cornell University; M.A. (hon. 1962) Amherst College.

**Heinz Kohler**, *Professor of Economics*. B.A. (1956) Free University of Berlin; M.A. (1958), Ph.D. (1961) University of Michigan; M.A. (hon. 1969) Amherst College.

**Allen Kropf**, *Professor of Chemistry*. B.S. (1951) Queens College; Ph.D. (1954) University of Utah; M.A. (hon. 1969) Amherst College.

**Edward Renton Leadbetter**, *Professor of Biology*. B.S. (1955) Franklin and Marshall College; Ph.D. (1959) University of Texas; M.A. (hon. 1970) Amherst College.

**Peter Marshall**, *Professor of Classics*. B.A. (1954) University College of Southwales and Monmouthshire; B.A. (1956), M.A. (1960) Wadham College, Oxford University.

**Leo Marx**, *William R. Kenan, Jr. Professor of English and American Studies*. B.S. (1941), Ph.D. (1949) Harvard University; M.A. (hon. 1959) Amherst College.

**Basil Stephen Matthews**, *Visiting Distinguished Professor of Black Studies*. M.A. (1935) Benedictine Seminary, Trinidad; M.A. (1942), Ph.D. (1947) Fordham University.

**Gareth Blanc Matthews**, *Visiting Professor of Philosophy*. A.B. (1951) Franklin College; A.M. (1952), Ph.D. (1961) Harvard University.

\*On leave 1973-74.

†On leave first semester 1973-74.

## AMHERST COLLEGE

**James Grenfell Mauldon**, *Professor of Mathematics*. M.A. (1947) Oxford University; M.A. (hon. 1970) Amherst College.

**Benjamin Franklin McCabe**, *Professor of Physical Education*. B.A. (1946) Iowa State Teacher's College; M.A. (hon. 1964) Amherst College.

**Henry George Mishkin**, *Professor of Music*. B.A. (1931) University of California; M.A. (1937), Ph.D. (1938) Harvard University; M.A. (hon. 1954) Amherst College.

**Lewis Seymour Mudge\***, *Professor of Philosophy & Religion*. B.A. (1951), B.D. (1955), Ph.D. (1961) Princeton University; B.A. (1954), M.A. (1958) Oxford University; M.A. (hon. 1970) Amherst College.

**James Rodney Nelson**, *Charles E. Merrill Professor of Economics*. B.A. (1936) Oberlin College; B.A. (1938) Oxford University; Ph.D. (1948) Harvard University; M.A. (hon. 1951) Amherst College.

**Rose Richardson Olver**, *Professor of Psychology*. B.A. (1958) Swarthmore College; Ph.D. (1962) Radcliffe College.

**James Elmore Ostendarp**, *Professor of Physical Education*. B.S. (1952) Bucknell University; M.A. (1956) Columbia University; M.A. (hon. 1966) Amherst College.

**John Pemberton, III**, *Professor of Religion*. B.A. (1948) Princeton University; B.D. (1952), Ph.D. (1958) Duke University; M.A. (hon. 1967) Amherst College.

**Murray Bisbee Peppardt†**, *Professor of German*. B.A. (1939) Amherst College; M.A. (1942), Ph.D. (1948) Yale University.

**John Anthony Petropoulos\***, *Professor of History*. B.A. (1951) Yale University; Ph.D. (1963) Harvard University.

**Donald Stevenson Pitkin**, *Professor of Anthropology*. B.A. (1947), M.A. (1950), Ph.D. (1954) Harvard University; M.A. (hon. 1966) Amherst College.

**William Harrison Pritchard\***, *Professor of English*. B.A. (1953) Amherst College; M.A. (1956), Ph.D. (1960) Harvard University.

**Robert Horton Romer\***, *Professor of Physics*. B.A. (1952) Amherst College; Ph.D. (1955) Princeton University.

**Edwin Charles Rozwenc**, *Dwight W. Morrow Professor of American History*. B.A. (1937) Amherst College; M.A. (1938), Ph.D. (1941) Columbia University.

\*On leave 1973-74.

†On leave first semester 1973-74.



## FACULTY

**Carl Nelson Schmalz, Jr.**, *Professor of Fine Arts*. B.A. (1948), M.A. (1949), Ph.D. (1958) Harvard University; M.A. (hon. 1969) Amherst College.

**Waltraut Carola Seitter**, *Professor, Five-College Department of Astronomy*. M.A. (1955) Smith College; Ph.D. (1962) University of Bonn.

**Marc Stamm Silver**, *Professor of Chemistry*. B.A. (1955) Harvard University; Ph.D. (1959) California Institute of Technology; M.A. (hon. 1969) Amherst College.

**John Donovan Strong**, *Professor, Five-College Department of Astronomy*. B.A. (1926) University of Kansas; Ph.D. (1930) University of Michigan.

**Dudley Herbert Towne**, *Professor of Physics*. B.S. (1947) Yale University; M.A. (1949), Ph.D. (1953) Harvard University; M.A. (hon. 1964) Amherst College.

**Frank Anderson Trapp**, *Professor of Fine Arts*. B.A. (1943) Carnegie Institute of Technology; M.A. (1947), Ph.D. (1952) Harvard University; M.A. (hon. 1963) Amherst College.

**Ranbir Vohra**, *Visiting Professor of History*. B.A. (1962) Punjab University; M.A. (1965), Ph.D. (1969) Harvard University.

**John William Ward**, *Professor of History and American Studies and President of the College*. A.B. (1947) Harvard College; M.A. (1950), Ph.D. (1953) University of Minnesota; M.A. (hon. 1965) Amherst College.

**Donald Owen White**, *Professor of German*. B.A. (1953), M.A. (1956), Ph.D. (1963) Yale University; M.A. (hon. 1970) Amherst College.

**Richard Eugene Wilson**, *Professor of Physical Education*. B.A. (1934), Midland College; B.P.E. (1937), M.Ed. (1938) Springfield College; M.A. (hon. 1960) Amherst College.

**Henry Thomas Yost, Jr.**, *Professor of Biology*. B.A. (1947), Ph.D. (1951) The Johns Hopkins University; M.A. (hon. 1965) Amherst College.

**Benjamin Munn Ziegler**, *Bertrand Snell Professor of Political Science*. B.A. (1928) New York University; LL.B. (1931), M.A. (1933), Ph.D. (1935) Harvard University; M.A. (hon. 1952) Amherst College.

AMHERST COLLEGE

ASSOCIATE PROFESSORS

**Hadley Philip Arkes**, *Associate Professor of Political Science*. B.A. (1962) University of Illinois; Ph.D. (1967) University of Chicago.

**Thomas Travis Army**, *Associate Professor, Five-College Department of Astronomy*. B.A. (1961) Haverford College; Ph.D. (1965) University of Arizona.

**Edward Scudder Belt**, *Associate Professor of Geology*. B.C. (1955) Williams College; M.A. (1957) Harvard University; Ph.D. (1963) Yale University.

**Otis Cary**, *Associate Professor on leave for service at Doshisha University and Director of Amherst House, Doshisha University*. B.A. (1946) Amherst College; M.A. (1951) Yale University.

**Walter Monroe Chesnut**, *Visiting Associate Professor of Music*. B.S. (1958), M.M. (1959) University of Michigan.

**Frederic Lawrence Cheyette**, *Associate Professor of History*. A.B. (1953) Princeton University; M.A. (1954), Ph.D. (1959) Harvard University.

**Howell Drescher Chickering, Jr.**, *Associate Professor of English*. B.A. (1959) Dartmouth College; Ph.D. (1965) Indiana University.

**William A. Dent**, *Associate Professor, Five College Department of Astronomy*. B.S. (1960) Case Institute of Technology; M.S. (1962), Ph.D. (1965) University of Michigan.

**James Quincy Denton**, *Associate Professor of Mathematics*. B.S. (1951) California Institute of Technology; M.S. (1958), Ph.D. (1962) University of Oregon.

**Jan Emil Dizard**, *Associate Professor of Sociology*. B.A. (1962), University of Minnesota (Duluth); M.A. (1964), Ph.D. (1967) The University of Chicago.

**Anne Lathrop Fessenden**, *Visiting Lecturer in English*. B.A. (1949) Barnard College; M.A. (1952), Ph.D. (1971) Columbia University.

**Asher Finkel**, *Visiting Associate Professor of Religion*. B.A. (1956) Yeshiva University; Ph.D. (1964) Tuebingen University.

**Robert Freeman Grose†**, *Associate Professor of Psychology and Registrar*. B.A. (1944), M.S. (1947), Ph.D. (1953) Yale University; M.A. (hon. 1970) Amherst College.

†On leave second semester 1973-74.



## FACULTY

**G(eorge) Richard Huguenin**, *Associate Professor, Five-College Department of Astronomy*. B.S. (1959) Massachusetts Institute of Technology; Ph.D. (1964) Harvard University.

**N(orman) Gordon Levin, Jr.**, *Associate Professor of History and American Studies*. B.A. (1956) Yale University; Ph.D. (1967) Harvard University.

**Richard N. Manchester**, *Associate Professor, Five College Department of Astronomy*. B.S. (1964) University of Canterbury; Ph.D. (1969) University of Newcastle.

**Bruce Gordon McInnes**, *Associate Professor of Music*. A.B. (1959) Dartmouth College; M. Mus. (1964) Yale University.

**J(ohn) Tracy Mehr**, *Associate Professor of Physical Education*. B.A. (1950) Holy Cross College; M.B.A. (1967) Boston College.

**Ray Arvil Moore\***, *Associate Professor of History*. B.A. (1958), M.A. (1960), Ph.D. (1965) University of Michigan.

**Richard Pini**, *Associate Professor of Romance Languages*. Licence d'Anglais (1959), Diplome d'Etudes Superieures (1960), Agrégation (1962), University of Paris (Sorbonne).

**John Ratté**, *Associate Professor of History*. B.A. (1957), Ph.D. (1962) Harvard University.

**Sonia Benita Sanchez**, *Associate Professor of Black Studies*. B.A. (1955) Hunter College.

**G(eorge) Dann Sargent\***, *Associate Professor of Chemistry*. A.B. (1957) Middlebury College; B.A. (1959) Merton College, Oxford University; M.A. (1963) Oxford University; M.A. (1963), Ph.D. (1964) Harvard University.

**Edward Joseph Serues**, *Associate Professor of Physical Education*. B.S. (1956) Boston University; M.S. (1962) Springfield College.

**David Robinson Sofield**, *Associate Professor of English*. B.A. (1957) Princeton; M.A. (1965), Ph.D. (1971) Stanford University.

**Norton Starr**, *Associate Professor of Mathematics*. B.A. (1958) Harvard College; Ph.D. (1964) Massachusetts Institute of Technology.

**Robert Anthony Stone**, *Visiting Lecturer in English*.

**William Chase Taubman**, *Associate Professor of Political Science*. B.A. (1962) Harvard College; M.A. (1965), Ph.D. (1969) Columbia University.

**Joseph H. Taylor, Jr.**, *Associate Professor, Five College Department of Astronomy*. B.A. (1963) Haverford College; Ph.D. (1968) Harvard University.

\*On leave 1973-74.

## AMHERST COLLEGE

**William Eugene Thurston**, *Associate Professor of Physical Education*. B.S. (1957), M.S. (1962) University of Michigan.

**Robert Campbell Townsend**, *Associate Professor of English*. B.A. (1957) Princeton University; B.A. (1959) Cambridge University; Ph.D. (1962) Harvard University.

**William Utermohlen**, *Visiting Artist*.

**William Frederick Zimmerman\***, *Associate Professor of Biology*. B.A. (1960), Ph.D. (1966) Princeton University.

## ASSISTANT PROFESSORS

**Allan Albert**, *Visiting Assistant Professor of Dramatic Arts*. B.A. (1968) Amherst College.

**David Lee Armacost**, *Assistant Professor of Mathematics*. B.A. (1965) Pomona College; M.S. (1966), Ph.D. (1969) Stanford University.

**Lawrence Alan Babb\***, *Assistant Professor of Anthropology*. B.A. (1963) University of Michigan; M.A. (1965), Ph.D. (1969) University of Rochester.

**Lois Conchita Grant Beck**, *Visiting Assistant Professor of Anthropology*. B.A. (1967) Portland State University (Oregon); M.A. (1969) University of Chicago.

**David Alan Birnbaum**, *Assistant Professor of Mathematics*. A.B. (1967) University of Rochester; M.S. (1968), Ph.D. (1972) University of Illinois.

**Peter Anthony Bloom**, *Visiting Assistant Professor of Music*. B.A. (1965) Swarthmore College; M.A. (1968), Ph.D. (1972) University of Pennsylvania.

**Bruce Hatton Boyer**, *Assistant Professor of Dramatic Arts*. B.A. (1968) Amherst College; M.A. (1969), C.Phil. (1971), Ph.D. (1972) University of California, Los Angeles.

**Elizabeth Wissman Bruss**, *Assistant Professor of English*. B.A. (1967), M.A. (1968), Ph.D. (1972) University of Michigan.

**Stephen Alan Buff**, *Assistant Professor of Sociology*. A.B. (1964) Colgate University; M.A. (1968), Ph.D. (1973) Northwestern University.

**William Shadrack Cole**, *Assistant Professor of Black Studies*. A.B. (1967), M.A. (1970) University of Pittsburgh.

\*On leave 1973-74.

## FACULTY

**Dan Eugene Davidson**, *Assistant Professor of Russian*. B.A. (1965) University of Kansas; M.A. (1970), Ph.D. (1973) Harvard University.

**Robert Bellamy Davidson**, *Assistant Professor of Chemistry*. B.S. (1966) College of the City University of New York; M.A. (1967), Ph.D. (1969) Princeton University.

**Tom Ross Dennis**, *Assistant Professor, Five-College Department of Astronomy*. A.B. (1963), M.A. (1964) University of Michigan; M.A. (1966), Ph.D. (1970) Princeton University.

**Arlyn Diamond**, *Visiting Assistant Professor of English*. B.A. (1961) University of California (Berkeley); M.A. (1962) Columbia University; Ph.D. (1969) University of California (Berkeley).

**Dennis Dorn**, *Assistant Professor of Dramatic Arts*. B.A. (1970) University of Wisconsin; M.F.A. (1972) Yale University.

**Mark Jeffrey Elson**, *Visiting Assistant Professor of Russian*. B.A. (1968) University of Michigan; M.A. (1972), Ph.D. (1973) Harvard University.

**Frederick Karl Errington**, *Assistant Professor of Anthropology*. B.A. (1962) Wesleyan University; Ph.D. (1970) Cornell University.

**Stefano Fenoaltea**, *Lecturer in Economics*. B.A. (1963) Georgetown University; M.A. (1965), Ph.D. (1968) Harvard University.

**Stuart Gordon Fisher**, *Assistant Professor of Biology*. B.S. (1965), M.A. (1967), Wake Forest College; Ph.D. (1970) Dartmouth College.

**Stewart Gilman Flory**, *Assistant Professor of Classics*. B.A. (1964), M.A. (1967), Ph.D. (1970) Yale University.

**Stephen Anthony George**, *Assistant Professor of Biology*. B.Sc. (1964) University of British Columbia; Ph.D. (1970) The Johns Hopkins University.

**Walter Godchaux, III**, *Assistant Professor of Biology*. B.S. (1960), Ph.D. (1965) Massachusetts Institute of Technology.

**Peter John Gooding**, *Assistant Professor of Physical Education*. D.L.C. (1964) Loughborough College; M.S. (1967) University of Massachusetts.

**Courtney Parks Gordon**, *Assistant Professor, Five-College Department of Astronomy*. B.A. (1961) Vassar College; M.A. (1963), Ph.D. (1967) University of Michigan.

**Kurtiss Jay Gordon**, *Assistant Professor, Five-College Department of Astronomy*. B.S. (1964) Antioch College; M.A. (1966), Ph.D. (1969) University of Michigan.

**Robert Steven Gourley**, *Assistant Professor of Biology*. B.S. (1968) Northern Illinois University.

## AMHERST COLLEGE

**George Samuel Greenstein**, *Assistant Professor of Astronomy*. B.S. (1962) Stanford University; Ph.D. (1968) Yale University.

**Charles Robert Hadlock**, *Assistant Professor of Mathematics*. B.S. (1967) Providence College; M.A. (1968), Ph.D. (1970) University of Illinois.

**James S. Hanson**, *Visiting Assistant Professor of Economics*. B.A. (1965) Yale University; A.M. (1968), Ph.D. (1971) Stanford University.

**Judith Herzfeld**, *Assistant Professor of Chemistry*. A.B. (1967) Barnard College; M.P.P. (1973) Harvard University; Ph.D. (1972) Massachusetts Institute of Technology.

**Ronald Gail Heyduk**, *Assistant Professor of Psychology*. B.Sci. (1968) Denison University; Ph.D. (1972) University of Michigan.

**Matthew Joseph Holdreith**, *Assistant Professor of English*. A.B. (1963) University of Michigan; M.A. (1966) Indiana University.

**Mufaro Josiah Hove**, *Assistant Professor of Chemistry*. B.S. (1967) Wittenberg University; M.S. (1968), Ph.D. (1971) Northwestern University.

**Edward Kivie Kaplan**, *Assistant Professor of Romance Languages*. B.A. (1964) Brown University; M.A. (1966), Ph.D. (1970) Columbia University.

**Perry Roy Karfunkel**, *Assistant Professor of Biology*. B.A. (1966) City University of New York (Queens College); M.Ph. (1970), Ph.D. (1971) Yale University.

**Thomas Kearns**, *Assistant Professor of Philosophy*. A.B. (1959) University of Illinois; LL.B. (1962), M.A. (1964) University of California; Ph.D. (1968) University of Wisconsin.

**Conrad Alan Kent**, *Assistant Professor of Spanish*. A.B. (1963) Mexico City College; M.A. (1964), Ph.D. (1969) Harvard University.

**W(illiam) Chandler Kirwin**, *Assistant Professor of Fine Arts*. B.A. (1965) Princeton University; M.A. (1968), Ph.D. (1972) Stanford University.

**Mel Anton Kuntz\***, *Assistant Professor of Geology*. B.A. (1961) Carleton College; M.A. (1964) Northwestern University; Ph.D. (1968) Stanford University.

**Andrew Lees**, *Assistant Professor of History*. B.A. (1963) Amherst College; M.A. (1964), Ph.D. (1969) Harvard University.

**Henry Miller Littlefield**, *Assistant Professor of Physical Education and Assistant Dean*. B.A. (1954), M.A. (1959), Ph.D. (1967) Columbia University.

**Ernest Dewey May**, *Assistant Professor of Music*. A.B. (1964) Harvard College; M.F.A. (1968) Princeton University.

\*On leave 1973-74.



## FACULTY

**Daniel Patrick Murray**, *Assistant Professor of Geology*. A.B. (1966) Dartmouth College; M.Sc. (1968), Ph.D. (1973) Brown University.

**Warren Jordan Myers**, *Visiting Lecturer in Classics*. A.B. (1959) Harvard College; M.A. (1960) University of California (Berkeley).

**Walter Eugene Nicholson**, *Assistant Professor of Economics*. B.A. (1964) Williams College; Ph.D. (1970) Massachusetts Institute of Technology.

**Barry Francis O'Connell**, *Assistant Professor of American Studies and English*. B.A. (1966) Harvard College; M.A. (1972) Harvard University.

**Brian Todd O'Leary**, *Assistant Professor of Astronomy*. B.A. (1961) Williams College; M.A. (1964) Georgetown University; Ph.D. (1967) University of California.

**Mark Oxman**, *Assistant Professor of Fine Arts*. C.M.P.S. (1967) City and Guilds of London Art School.

**Dale Earl Peterson**, *Assistant Professor of English and Russian*. B.A. (1963) Harvard University; M.A. (1965), Ph.D. (1971) Yale University.

**Stanley Jay Rabinowitz**, *Assistant Professor of Russian*. A.B. (1967) City University of New York (Brooklyn College); A.M. (1969) Harvard University.

**Andre Fred Ryerson**, *Assistant Professor of Romance Languages*. B.A. (1963) McGill University; Ph.D. (1968) Yale University.

**Ellen Ryerson**, *Assistant Professor of American Studies*. B.A. (1964) University of Wisconsin; M.A. (1966), Ph.D. (1970) Yale University.

**Thomas Arthur Sears**, *Assistant Professor of Economics*. B.A. (1964) Rice University; M.A. (1969), Ph.D. (1970) Harvard University.

**Charles Alan Sorenson**, *Assistant Professor of Psychology*. B.A. (1966) University of California; Ph.D. (1971) University of California, Los Angeles.

**Elizabeth Victoria Spelman**, *Assistant Professor of Philosophy*. B.A. (1966) Wellesley College; Ph.D. (1973) The Johns Hopkins University.

**Lewis Spratlan\***, *Assistant Professor of Music*. B.A. (1962), M.Mus. (1965) Yale University.

**Jack C. Stovall**, *Assistant Professor of Physical Education*. B.S. (1957), M.A. (1960) University of Michigan.

**Robert Thomas Sweeney**, *Visiting Lecturer in Fine Arts*. B.F.A. (1970), M.F.A. (1972) Boston University.

\*On leave 1973-74.

## AMHERST COLLEGE

**Eugene Tademaru**, *Assistant Professor, Five-College Department of Astronomy*. B.S. (1964) University of Illinois; Ph.D. (1969) The University of Chicago.

**Jane Andelman Taubman**, *Assistant Professor of Russian*. B.A. (1964) Radcliffe College; M.A. (1968), Ph.D. (1972) Yale University.

**Robert Alexander Farrar Thurman**, *Assistant Professor of Religion*. B.A. (1968), A.M. (1969), Ph.D. (1972) Harvard University.

**Ronald Sherwin Tiersky**, *Assistant Professor of Political Science*. B.A. (1966) University of Illinois (Urbana); M.A. (1971), Ph.D. (1972) Columbia University.

**Robert Frederick Tinker**, *Assistant Professor of Physics*. B.A. (1963) Swarthmore College; M.A. (1964) Stanford University; Ph.D. (1970) Massachusetts Institute of Technology.

**Joel Morgan Upton**, *Assistant Professor of Fine Arts*. A.B. (1963) Rutgers University; M.A. (1968), Ph.D. (1972) Bryn Mawr College.

**Peter Alexis Valberg**, *Assistant Professor of Physics*. A.B. (1964) Taylor University; M.A. (1966), Ph.D. (1969) Harvard University.

**David Van Blerkom**, *Assistant Professor, Five-College Department of Astronomy*. B.S. (1963) City College of New York; Ph.D. (1969) University of Colorado.

**Kenneth Lee Verosub**, *Assistant Professor of Physics*. A.B. (1966) University of Michigan; M.S. (1971), Ph.D. (1973) Stanford University.

**Alan Stuart Waggoner**, *Assistant Professor of Chemistry*. B.A. (1965) University of Colorado; Ph.D. (1969) University of Oregon.

**William Arthur Weary†**, *Assistant Professor of History*. B.A. (1964) Amherst College; M.A. (1966), Ph.D. (1972) Yale University.

**Russell Henry Weigel**, *Assistant Professor of Psychology*. A.B. (1965) Bowdoin College; M.A. (1967) George Washington University; Ph.D. (1973) University of Colorado.

**Frank Henry Westhoff**, *Assistant Professor of Economics*. S.B. (1969) Massachusetts Institute of Technology; M. Phil. (1971), M.A. (1973) Yale University.

**Donald Franklin Wheelock**, *Assistant Professor of Music*. A.B. (1962) Union College; M.Mus. (1966) Yale University.

†On leave first semester 1973-74.



## FACULTY

**David Wood Wills**, *Assistant Professor of Religion*. A.B. (1962) Yale University; B.D. (1966) Princeton Theological Seminary.

**Cynthia Griffin Wolff**, *Visiting Assistant Professor of English*. B.A. (1958) Radcliffe College; M.A. (1961), Ph.D. (1965) Harvard University.

## INSTRUCTORS

**William Arnold**, *Visiting Lecturer in Fine Arts*.

**Frederick Thomas Griffiths**, *Instructor in Classics*. B.A. (1969) Yale College, M.A. (1972) Harvard University.

**James Elliott Maraniss**, *Instructor of Romance Languages*. B.A. (1966), M.A. (1967) Harvard University.

**Akio Nakazawa**, *Visiting Fulbright Lecturer in Japanese*. B.A. (1971), Tokyo University of Education.

**Nana Mbelle Seshibi**, *Visiting Lecturer in Black Studies*. B.A. (1970) Western College for Women, M.A.T. (1972) University of Massachusetts.

## VISITORS

Professor Harold Beaver, Professor of English and  
American Studies at Warwick University, England;  
*A.C.L.S. Fellow*.

Professor Hideo Higuchi, Professor of English, on leave  
from Doshisha University, Japan.

## ASSOCIATES

Denise Watkins, Baccalauréat-ès-Lettres (Caen), *French*  
Judith A. Davidson, M.A.T., *German*

## RESEARCH ASSOCIATES

Lenette Rogers Atkinson, PH.D., *Biology*  
Virginia Dewey, PH.D., *Biology*  
Phillip Truman Ives, PH.D., *Biology*  
Daniel Krause, Jr., PH.D., *Physics*  
J. P. Rotmans, PH.D., *Chemistry*  
Jeffrey Wang, PH.D., *Chemistry*  
W. Gary Williams, PH.D., *Physics*

## AMHERST COLLEGE

### RESEARCH ASSISTANTS

Phyllis King, B.A., *Physics*  
Robin Tolles, B.S., *Chemistry*

### LANGUAGE ASSISTANTS

Pablo Aguirre, *Spanish*  
Guy Clermont, *French*  
Etienne-Jean Dervieux, *French*  
Werner Huber, *German*  
Mlle. Viviane Thevenin, *French*

## FACULTY COMMITTEES

**Committee of Six.** President Ward (Chairman, *ex officio*), Dean Gifford (Secretary, *ex officio*), Professors Cameron, Denton, Epstein, Hexter, Pemberton, and E. Ryerson.

**Committee on Educational Policy.** Professors Hadlock, Levin (Chairman), Olver, Townsend, and White. Neil Sullivan '74, Andrew R. Marks '76, and Scott M. Sirlin '76.

**College Council.** Deans Drinkwater and Reed (Secretary), Professors Arkes, Bruss, Hove (Chairman), and Sears. David L. Douglass '74, Stephen D. Wrage '74, Richard W. Clary '75, Michael Butler '76, and Bahar N. Gidwani '76.

**Judicial Board.** Professors Kearns, Starr (Chairman), and Wills. Steven J. Poliakoff '74, Thomas J. Wattley '75, and William J. Kayatta, Jr. '76.

**Committee on Priorities and Resources.** President Ward, Dean Gifford, Professors Bailey (Chairman), Coltery, and Heath; Mr. Hertzfeld (Treasurer). Edmundo Orozco '74, Richard J. MacIntyre '75, and James S. Jacobs '76.

**Committee on Admissions and Scholarships.** President Ward (*ex officio*), Deans Behnke, Routh, and Wall (Secretary); Professors Carre, Chickering (Chairman), Grose, May, and Silver. C. Chauncey Benedict, II '75, Stephen M. Rouse '75, Richard M. Theile '75, and Thomas J. Wattley '75.

**Committee on Faculty Housing.** Professors Dempsey, Errington, Mauldon, and Oxman; Mr. Howland (*ex officio*).

**Committee on Field Study.** Dean Gifford, Professors Buff (Chairman), Coplin, and DeMott.

## FACULTY

**Committee on Guidance and Counseling.** Deans Drinkwater (Chairman), Littlefield, and O'Daniel; Drs. Russell Lane and Robert May; Professors Coplin and Flory; The Rev. James Clark.

**Committee on Honorary Degrees.** Professors Kropf, Mishkin, and W. Taubman. Richard A. Ammons '74, Thomas J. Bruno, II '74, and Stuart J. Dunning, III '74.

**Committee on Independent Study.** Dean Gifford, Professors Cheyette, Karfunkel, and Pitkin (Chairman).

**Committee on Interdisciplinary and Special Studies.** Dean Gifford, Professors Belt, Nicholson (Chairman), and Upton.

**Committee on Physical Education and Athletics.** President Ward, Deans Drinkwater (*ex officio*) and Gifford; Dr. Russell M. Lane (*ex officio*); Professors McCabe, Mehr (Secretary), O'Connell, Sofield, Thurston, and Yost. William L. Healy, III '74, David M. Moriarty '74, and Raul A. Lopez '75.

**Copeland Colloquium Committee.** Professors Fink, Oxman, and Pitkin. Matthew Cohen '75 and Norman C. Tobias '75.

**Faculty Computer Committee.** Professors Czap, Grose, Nicholson, Sorenson, Starr, and Valberg; Mr. Plourde and Mrs. Steele. John B. Bennison '74, Joel S. Nizin '74, and Douglas E. Weber '74.

**Fellowship Committee.** Deans Gifford (Chairman) and Routh (Secretary), Professors Craig, Hexter, Kateb, and Kennick (second semester), and Pemberton (first semester).

**Lecture Committee.** Professors Armacost, N. Birnbaum (Chairman), and Kaplan.

**Library Committee.** Professors Cody (*ex officio*), Gordon, Kaplan, and Marshall (Chairman); Mr. Laughner (*es officio*). Joseph A. Laurion '75.

**Lucius R. Eastman Fund Committee.** Professors Leadbetter, Nicholson (Chairman), and Schmalz.

**Readmission Committee.** Deans Drinkwater, Reed (Chairman), Routh, and Wall; Professors Grose, A. Ryerson, and White.

# Fellows

**Victor Ashrafi '73**, *Amherst Memorial Fellow in Education*. Stanford University.

**Charles Ora Atkinson '66**, *Amherst Memorial Fellow in Literature*. University of California at Santa Cruz.

**John Edwin Beerbower '70**, *Evan Carroll Commager Fellow in Economics*. Cambridge University, England.

**Robert Kenneth Bell '73**, *Amherst Memorial Fellow in Sociology*. University of California at Berkeley.

**Christopher Martin Bennett '73**, *John Woodruff Simpson Fellow in Law*. Harvard Law School.

**Michael Broad '73**, *John Woodruff Simpson Fellow in Law*. Harvard Law School.

**Christopher James Connelly '73**, *Amherst Memorial Fellow in English*. Cornell University.

**John Cooper Cuddy '73**, *John Woodruff Simpson Fellow in Law*. Boston University.

**John Joseph D'Andrea '73**, *Amherst Memorial Fellow in Economics*. Princeton University.

**Thomas Dean De Bree '72**, *George Stebbins Moses and Benjamin Goodall Symon, Jr. Fellow in Theology and Religion*. Princeton Theological Seminary.

**Robert DeMaria, Jr. '70**, *Henry P. Field Fellow in English*. Rutgers University.

**Carl Frederick Dillon, Jr. '73**, *Amherst Memorial Fellow in Public Administration*. Maxwell School, Syracuse University.

**David Alan Downes '73**, *C. Scott Porter Fellow in Psychology*. School of Education, University of Pennsylvania.

**Danny Walter Eaton '73**, *Roland Wood Fellow in Playwriting/Theater*. Dramatic Arts.

**Robert Raymond Elliott III '71**, *John Woodruff Simpson Fellow in Law*. Yale Law School.

## FELLOWS

**Stephen Ralph Gang '72**, *John Woodruff Simpson Fellow in Law*. Harvard Law School.

**Stephen Payne Goff '73**, *John Woodruff Simpson Fellow in Biology*. Stanford University.

**David Gordon '73**, *John Woodruff Simpson Fellow in Medicine*. Harvard Medical School.

**Gregory Michael Hayes '73**, *Edward Poole Lay Fellow in Music Performance/Composition*. Manhattan School of Music.

**Christopher Robin Hilbert '73**, *John Woodruff Simpson Fellow in Law*. Harvard Law School.

**Martin Rossiter Hoke '73**, *Edward Poole Lay Fellow in Music*. Advanced Piano Study with teachers in London, Paris, Rome.

**Job Hopfan '73**, *John Woodruff Simpson Fellow in Medicine*. University of Pennsylvania.

**Kenneth Robert Huskins '73**, *Forris Jewett Moore Fellow in Organic Chemistry*. University of Oregon.

**George Robert Johnson, Jr. '73**, *John Woodruff Simpson Fellow in Law*. Columbia Law School.

**William Joseph Keenan, Jr. '73**, *John Woodruff Simpson Fellow in Law*. University of Virginia.

**Walter Carl Kester '73**, *Roswell Dwight Hitchcock Fellow in Economics*. London School of Economics.

**Michael Kelleher '72**, *Forris Jewett Moore Fellow in Medicine*. University of Rochester.

**Edward Chian-Shuan King '73**, *Amherst Memorial Fellow in Anthropology*. Northwestern University.

**Gary John Kornblith '73**, *George A. Plimpton Fellow in History*. Princeton University.

**Charles Scott Lachman '73**, *Forris Jewett Moore Fellow in History*. Oxford University.

**Justin Frank Little '71**, *John Woodruff Simpson Fellow in Urban Planning*. Harvard University.

**Christopher You Chee Louis '73**, *John Woodruff Simpson Fellow in Medicine*. Boston University Medical School.



AMHERST COLLEGE

**Michael Peter Madow '71**, *Rufus B. Kellogg Fellow in Philosophy*. Oxford University.

**Robert James McNamara '72**, *Amherst Memorial Fellow in English*. Colorado State University.

**James Darrow McNitt, '73**, *Edward Hitchcock Fellow in Education*. University of Massachusetts.

**William Bayard Miller, Jr. '73**, *Charles B. Rugg Fellow in Law*. Harvard Law School.

**Carlos Alejandro Miranda '73**, *Amherst Memorial Fellow in Diplomacy*. Johns Hopkins University.

**Harry Geoffrey Morrison '70**, *Henry P. Field and John Woodruff Simpson Fellow in History*. Brown University.

**Richard Nathaniel Murphy '73**, *Amherst Memorial Fellow in Business*. Wharton School, University of Pennsylvania.

**Robert Douglas Murphy '73**, *Roland Wood Fellow in Fine Arts*. Brandeis University.

**Carl Eric Nelson '73**, *John Woodruff Simpson Fellow in Geology*. Dartmouth College.

**John Arthur Nerbonne, Jr. '73**, *Amherst Memorial Fellow in Linguistics*. University of Massachusetts.

**Ratliff Michael Newton '73**, *Amherst Memorial Fellow in Business Administration*. University of Chicago.

**Robert Paine III '73**, *Forris Jewett Moore Fellow in Philosophy*. Corpus Christi College, Oxford University.

**John Thomas Patterson '73**, *Forris Jewett Moore Fellow in History*. Harvard University.

**Edgar Charles Romero '73**, *Sterling P. Lamprecht Fellow in Mathematical Logic*. Massachusetts Institute of Technology.

**Paul Frank Salerni '73**, *Edward Poole Lay Fellow in Music*. Harvard University.

**Frederick William Schneider '73**, *John Woodruff Simpson Fellow in Architecture and Planning*. University of Virginia.

**Paul Robert Schneider '73**, *John Woodruff Simpson Fellow in Law*. Northeastern University School of Law.

**Michael Devlin Simko '72**, *Amherst Memorial Fellow in Education*. Harvard University.

## ADMINISTRATION

**Chester Jay Stern '73**, *John Woodruff Simpson Fellow in Law*. University of Chicago.

**Jay Williams Swanson '73**, *Amherst Memorial Fellow in Russian Language and Literature*. Leningrad State University.

**Byron G. Tucker '70**, *Forris Jewett Moore Fellow in South Asian History*. University of Chicago.

**Brant Leed Viner '73**, *Amherst Memorial Fellow in Romance Literature*. University of Wisconsin.

**Donald MacGregor Waller '73**, *Amherst Memorial Fellow in Ecology*. Princeton University.

**David Keith Ware '73**, *John Woodruff Simpson Fellow in Law*. University of Connecticut.

**Morrison DeSoto Webb '69**, *John Woodruff Simpson Fellow in Law*. Harvard Law School.

**William Scott Wheeler '73**, *Edward Poole Lay Fellow in Music*. New England Conservatory of Music.

**Peter David Winkler '73**, *Forris Jewett Moore Fellow in Philosophy*. University of Chicago.

**David Albin Wojcik '73**, *John Woodruff Simpson Fellow in Law*. Yale Law School.

**George P. Zoulalian '70**, *Amherst Memorial Fellow in Social Work*. Simmons College.

## Officers of Administration

**John William Ward**, *President of the College*. A.B. (1947) Harvard College; M.A. (1950), Ph.D. (1953) University of Minnesota; M.A. (hon. 1965) Amherst College.

**Prosser Gifford**, *Dean of the Faculty*. B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard Law School; Ph.D. (1964) Yale University; M.A. (hon. 1969) Amherst College.

**David Drinkwater**, *Dean of Students*. B.A. (1964), D.Phil. (1971) University College, Oxford University.

**Edward Baker Wall**, *Dean of Admission*. B.A. (1956) Yale University.



## AMHERST COLLEGE

**Michael Clare Behnke**, *Associate Dean of Admission*. B.A. (1965) Amherst College; M.A. (1970) University of Pennsylvania.

**Stephen George Dibble**, *Assistant to the Dean of Admission; Graduate Fellow on the Mayo-Smith Teaching Grant*. B.A. (1973) Amherst College.

**Jeremiah Elijah Smith**, *Assistant to the Dean of Admission; Graduate Fellow on the Mayo-Smith Teaching Grant*. B.A. (1973) Amherst College.

**Nathaniel Reed**, *Assistant Dean*. B.A. (1955), Ph.D. (1964) Yale University.

**Donald McMillan Routh**, *Assistant Dean*. B.A. (1958) Amherst College; M.A.T. (1960) Johns Hopkins University.

**Henry Miller Littlefield**, *Assistant Dean*. B.A. (1954), M.A. (1959), Ph.D. (1967) Columbia University.

**Richard M. O'Daniel**, *Assistant Dean*. B.A. (1968) Lincoln University.

**Robert Freeman Grose**, *Registrar*. B.A. (1944), M.S. (1947), Ph.D. (1953) Yale University; M.A. (hon. 1970) Amherst College.

**Gerald Mager**, *Assistant Registrar*. A.B. (1965), A.M. (1967), Ph.D. (1972) University of Illinois.

**Kurt Maximilian Hertzfeld**, *Treasurer*. B.A. (1941), M.B.A. (1942) Harvard University; M.A. (hon. 1969) Amherst College.

**David Raymond Hornfischer**, *Computer System Coordinator*. B.A. (1965) Trinity College.

**Thomas Alvan Weber**, *Assistant to the Treasurer*. B.A. (1967), M.B.A. (1969) Harvard University.

**George Burnham May**, *Comptroller and Assistant Treasurer*. B.A. (1946) Amherst College.

**Richard Edward Green**, *Assistant Comptroller*. B.B.A. (1966) Western New England College.

**Paul Jerome Plourde**, *Director, Computer Center*. B.A. (1962) University of New Hampshire; M.A. (1967) Northeastern University.

**David Frederick Howland**, *Personnel Officer*. B.A. (1950) Hofstra University.

**John Lewis Callahan, Jr.**, *General Secretary*. B.A. (1955) Dartmouth College; M.A. (hon. 1970) Amherst College.

**John Howard Peterson**, *Assistant Director for Development*. B.A. (1971) Amherst College.

**James Alfred Guest**, *Secretary to the Committee on Deferred Gifts and Bequests*. B.A. (1933), L.H.D. (1971) Amherst College; LL.B. (1936) Yale University.

## ADMINISTRATION

**Frederic John Gardner**, *Secretary of the Alumni Council*. B.A. (1949) Amherst College.

**Robert Monroe Soule, Jr.**, *Assistant Alumni Secretary*. B.A. (1970) Amherst College.

**Horace Wilson Hewlett**, *Secretary of the College and Director of Publications*. B.A. (1936) Amherst College; M.A. (1941) Yale University.

**Andrew DeToma**, *Assistant Secretary of the College*. B.S. Ed. (1963) Massachusetts State College at Fitchburg; M.A. (1965) University of Massachusetts.

**Robert Eldredge Blood, III**, *Assistant to the Secretary of the College; Graduate Fellow on the Ives Washburn Grant*. B.A. (1973) Amherst College.

**Richard Shelley Light**, *Audio-Visual Specialist*. B.S. Ed. (1952) West Chester State College.

**Otis Cary**, *Director of Amherst House, Doshisha University*. B.A. (1946) Amherst College; M.A. (1951) Yale University.

**William August Mueller**, *Director of Physical Plant and Services*. B.Aero.E. (1942), B.C.E. (1952) Rensselaer Polytechnic Institute.

**William Maurice Golding**, *Manager of Dining Halls*.

**Benjamin Franklin McCabe**, *Director of Intercollegiate Athletics*. B.A. (1946) Iowa State Teacher's College; M.A. (hon. 1964) Amherst College.

**Russell Montague Lane**, *Director of Student Health Services*. B.A. (1950) Amherst College; M.D. (1955) University of Rochester School of Medicine.

**Lewis Trimble Broschard, Jr.**, *Staff Physician*. B.S. (1963) Muhlenburg College; M.D. (1968) University of Pennsylvania.

**Robert May**, *Clinical Psychologist*. B.A. (1962) Wesleyan University; M.A. (1965), Ph.D. (1969) Harvard University.

**Sanford Bloomberg**, *Associate College Physician*. B.A. (1950) University of Vermont; M.A. (1951) Columbia University; M.D. (1957) University of Vermont College of Medicine.

**Daniel Phillip Schwartz**, *Associate College Physician*. B.A. (1949), M.D. (1952) University of Minnesota.

**Thomas Clifford Wilson**, *Associate College Physician*. B.A. (1950) West Virginia University; M.D. (1960) Medical College of Virginia.

**David Carleton Yates**, *Graduate Fellow in the Pratt Museum*. B.A. (1972) Amherst College.

**William Frantz McCorkle, Jr.**, *Graduate Fellow in Music*. B.A. (1973) Amherst College.

AMHERST COLLEGE  
MEAD ART BUILDING

Frank Anderson Trapp, PH.D., *Director*  
Lewis Shepard, M.A., *Curator*

THE ROBERT FROST LIBRARY

Richard John Cody, PH.D., *Librarian of the College*  
Charles Theodore Laughner, PH.D., *Director of Robert Frost Library*  
Floyd Samuel Merritt, M.A., S.M., *Reference Librarian*  
J. Richard Phillips, B.A., M.A., *Special Collections Librarian*  
Eleanor T. Brown, B.A., M.S. in L.S., *Head of Circulation*  
Elinor A. Richards, B.A., A.M.L.S., *Chief Cataloguer*  
Richard S. Light, B.S., *Audio Visual Supervisor*  
Helen Collery, B.A., *Science Library Assistant*  
Hertha Banfield, *Serials Librarian*  
Hope Wright, B.A., *Serials Cataloguer*  
Carol Porter Baldwin, *Cataloguer*  
Nancy Hathaway Buck, B.A., M.S. in L.S., *Cataloguer*  
Sally Evans, B.A., M.S.L.S., *Cataloguer*  
Mary McFeely, B.A., M.S. in L.S., *Assistant Reference Librarian*  
Margaret Groesbeck, B.A., M.S., *Assistant Reference Librarian*

KIRBY MEMORIAL THEATER

Walter Leroy Boughton, M.F.A., *Director*  
Dennis Lee Dorn, M.F.A., *Technical Director*

THE PRATT MUSEUM OF NATURAL HISTORY

Gerald P. Brophy, PH.D., *Director, Curator of Mineralogy*  
Edward S. Belt, PH.D., *Curator of Invertebrate Paleontology*  
Walter S. Coombs, PH.D., *Visiting Associate Curator of Vertebrate  
Paleontology*  
Anthony Dahowski, *Curator*  
David C. Yates, B.A., *Assistant Curator of Archeology and  
Anthropology*

MABEL LOOMIS TODD FOREST

Lincoln Pierson Brower, PH.D., *Curator*

RELIGIOUS ADVISORS

The Rev. James Clark, B.D.  
*Advisor to Protestant Students*

## ADMINISTRATION

The Rev. Charles R. Farrell, B.D.

*Advisor to Protestant Students*

The Rev. Richard E. Koenig, B.D., S.T.M.

*Advisor to Protestant Students*

The Rt. Rev. Msgr. David J. Power, B.A.

*Advisor to Roman Catholic Students*

The Rev. J. Joseph Quigley, B.S.

*Advisor to Roman Catholic Students*

Rabbi Yechiael Lander, B.A., B.H.L., M.A.

*Advisor to Jewish Students*

## STUDENT HEALTH SERVICE

Russell M. Lane, M.D., *Director of Student Health Services*

Lewis T. Broschard, Jr., M.D., *Staff Physician*

Marjorie R. Crossman, R.N., *Nurse Practitioner*

Lois C. Meunier, R.N., *Nurse Practitioner*

Faith F. Lovering, R.N., *Staff Nurse*

## THREE COLLEGE COMPUTER CENTER

Paul J. Plourde, B.A., M.A., *Director*

Clela B. Reeves, B.A., M.A., *Systems Analyst*

David B. Cernak, B.A., M.B.A., *Systems Analyst*

Elizabeth Steele, B.A., *Academic Computer Coordinator*

Frederick G. Roberts, *Operations Manager*

## FIVE COLLEGES INCORPORATED

North Burn, Ph.D., *Five College Co-ordinator*

Dean Prosser Gifford, Ph.D., *Amherst College Deputy*





# II

AMHERST COLLEGE

ADMISSION

GENERAL REGULATIONS

TUITION AND FEES

FINANCIAL AID

DEGREE REQUIREMENTS

*Kirby Memorial Theater*





# Amherst College

AMHERST was founded in 1821 as an independent liberal arts college for "the education of indigent young men of piety and talents for the Christian ministry." It has never been connected, however, with any church or sect. Its charter, granted by the Commonwealth of Massachusetts in 1825, bans tests of religion in choosing students and teachers.

Among Amherst's founders were Noah Webster, the lexicographer, and Samuel Fowler Dickinson, grandfather of the poet Emily. The College received its initial support from many residents of the town from which it takes its name. (The town, which was incorporated in 1759, was named for General Jeffery Amherst, then Commander-in-chief of British forces in the New World and protector of the colonies in the French and Indian War.) The College has enjoyed a long and close association with the community, particularly with such poets and writers as Emily Dickinson, Helen Hunt Jackson, David Grayson (Ray Stannard Baker), and Robert Frost.

The campus is situated on a hill adjacent to the central town common. The surrounding area is characterized by apple orchards and tobacco farms lying on the flat, fertile land of the Connecticut River Valley and by ranges of hills to the south and east. Nearby are towns and places whose names recall another age in the life of New England: Deerfield and Bloody Brook, Pelham and Daniel Shays Highway, Northampton and Jonathan Edwards' Church. A few miles away are four other institutions of higher learning: Hampshire, Smith, and Mount Holyoke Colleges, and the University of Massachusetts with which Amherst engages in a number of cooperative educational ventures. (These are described on page 38.)

The College offers the bachelor of arts degree and cooperates with the University of Massachusetts in a Five College Ph.D. program. The College curriculum involves study in the humanities, the social sciences, and the natural sciences and combines a broad education with knowledge of some field in depth. Emphasis falls upon each student's responsibility for the selection of an appropriate program. Special freshman seminars exist to assist an exploration of various aspects of intellectual commitment. Freshmen may select a major field of study on entrance; exceptionally qualified students may satisfy graduation requirements in three years; some may engage in independent study free of formal courses in their junior and senior years; honors work—the intensive consideration of a limited subject—is encouraged.

Whatever the form of academic experience—lecture course, seminar, conference, studio, laboratory, independent study at various levels—intellectual competence and awareness of problems and methods are the goal of the

## AMHERST COLLEGE

Amherst program, rather than the direct preparation for some profession. The curriculum enables students to arrange programs for their own educational needs within established guidelines. To assist undergraduates in their course selections, faculty advisors, representing all academic departments, have been selected. They provide such counsel as is requested, but the ultimate responsibility for a thoughtful program of study rests with the individual student.

A statement of graduation requirements and programs of study begins on page 57. A more detailed description of the curriculum may be obtained from the Office of Admission.

The College's faculty is engaged in two primary activities: first, the education of undergraduates, and, second, research and writing. Its 150 members hold degrees from colleges and universities throughout this country and abroad. Classes range in size from a lecture course of 180 to several courses of only five students; about 80 percent of the classes and sections have twenty-five students or less.

Amherst is equipped with considerable physical resources: a library of some 441,715 volumes, science laboratories, theater, gymnasium, swimming pool, skating rink, squash and tennis courts, playing fields, a museum of fine arts and another of natural sciences, a central dining hall where all students eat, dormitories, language laboratory, and classroom buildings. There are a wildlife sanctuary and a forest for the study of ecology, an observatory and planetarium, a computer center, and varied equipment for specialized scientific research. At Amherst, and at its neighboring institutions, there are extensive offerings of lectures, concerts, plays, films, and many other events. The College's endowment is approximately \$57 million (book value).

In the early 1960s Amherst increased its enrollment from 1,000 to approximately 1,200 students. To accommodate these additional undergraduates and to provide improved facilities the College constructed a new dining hall, five new dormitories, and the Robert Frost Library. New buildings for science and music were completed in 1968.

Amherst has a full program of intercollegiate athletics in most sports. Every freshman and sophomore is required to take part in a program of physical education to improve his fitness and allow him to participate in team and recreational sports. In addition, about 90 percent of the students participate in an organized program of intramural athletics.

Undergraduates may also take part in a variety of other extracurricular activities: journalism, publishing, broadcasting, music, dramatics, and a wide assortment of specialized interests. Religious groups, working independently or through the religious advisors, maintain a program of worship services, Bible study, community service projects, and other activities.

Many Amherst students join a social fraternity or house at the end of



## AMHERST COLLEGE

their freshman year. These organizations provide housing for many of their members and are one focus of social life after the first year. Since 1946 the fraternities have selected their members without consideration of race or religion, and since 1951 every student who has wanted to join a fraternity has had the opportunity to do so.

As the campus has grown so has the College's involvement with the world. In 1821 most students came to Amherst from nearby towns intending to become ministers or missionaries. Facilities were simple; for three years South College was Amherst's only building, housing dormitory, library, and classrooms. Today students come from most of the fifty states and many foreign countries and bring with them backgrounds and interests far different from those of the "indigent young men of piety and talents" who preceded them nearly a century and a half ago.

Instruction still adheres to the liberal arts and sciences, but world forces are now felt in the classroom and out. Modern transportation and communication have changed what was once a sleepy little New England village into a growing center of activity and concern. Involvement in research or in social and economic issues takes some students to many parts of the country and abroad—as it does most of their teachers as well. Civil rights issues and national policies have an impact on the campus that would have been unimaginable even a generation ago. Graduates for the most part continue their formal education to become teachers, physicians, lawyers, and businessmen. At Amherst, hopefully, they will have only begun their education at "commencement," but will have developed attitudes and values that will encourage them to participate thoughtfully and generously in the service of mankind.

## THE INTERTERM

The January Interterm is a four-week period between semesters free from the formal structures of regular classes, grades, and academic credit. It is, in essence, a time when each student may undertake independent study in a subject or area to which he might not have access during the normal course of the year.

A student may center his activities on the campus or elsewhere as he chooses. He may read, write, paint, compose, or inquire into some question or concern as his inclination, ingenuity, and resources permit. He may wish to explore further or more deeply a subject which has aroused his curiosity or about which he wishes to know more. He may also, if a teacher agrees to assist him, seek guidance from or work with a member of the faculty and other students in a joint endeavor.

The purpose of the Interterm is to remove, for four weeks, the constraints that prevail during normal class work and permit students to adjust their inquiry to their own interests and capabilities. With this freedom each student assumes the responsibility of using his time to his best advantage



## AMHERST COLLEGE

and of increasing his understanding of himself and of his educational and social environment.

## PRESIDENTS OF AMHERST COLLEGE

1821-1823	Rev. Zephaniah Swift Moore, D.D.
1823-1845	Rev. Heman Humphrey, D.D.
1845-1854	Rev. Edward Hitchcock, D.D., LL.D.
1854-1876	Rev. William Augustus Stearns, D.D., LL.D.
1876-1890	Rev. Julius Hawley Seelye, D.D., LL.D.
1890-1899	Merrill Edwards Gates, PH.D., LL.D., L.H.D.
1899-1912	Rev. George Harris, D.D., LL.D.
1912-1924	Alexander Meiklejohn, PH.D., LL.D.
1924-1927	George Daniel Olds, LL.D.
1927-1932	Arthur Stanley Pease, PH.D., LL.D.
1932-1946	Stanley King, LL.D.
1946-1960	Charles Woolsey Cole, PH.D., L.H.D., SC.D., LITT.D., LL.D.
1960-1971	Calvin Hastings Plimpton, M.D., SC.D., D.M.S., L.H.D., LITT.D., LL.D.
1971-	John William Ward, PH.D.

## FIVE COLLEGE COOPERATION

Amherst has an arrangement with Mount Holyoke College, Smith College, Hampshire College and the University of Massachusetts by which any of their regular courses is, under special circumstances, open to Amherst students. See page 61 for further information.

The oldest cooperative venture is the Hampshire Inter-Library Center, housed in the Graduate Research Center at the University. HILC, a separate legal entity, is a depository for research materials and learned journals which are beyond the reach of any of the five libraries operating independently. An FM radio station (WFCR, 88.5 mc.) is run cooperatively through the Western Massachusetts Broadcasting Council composed of representatives of the five institutions. Other cooperative activities include a joint Astronomy Department; courses in the History of Science and in African-American studies; a Ph.D. program; a common calendar of events; a committee on transportation; a registry of part-time workers; and a Coordinator for cooperative projects.

NORTH BURN, PH.D., *Coordinator*

## NATIONAL THEATRE INSTITUTE

Through a Twelve College Interchange arrangement, undergraduate participation in the program of the National Theatre Institute, Waterford, Conn., is possible. Further information is available in the Office of the Dean of Students.

## The Folger Shakespeare Library

THE FOLGER SHAKESPEARE LIBRARY in Washington, D.C., was established by the will of Henry Clay Folger, of the class of 1879. Mr. Folger's original collection, which remains the nucleus of the Library's holdings, emphasized Shakespeare, Shakespeare's contemporaries, and the history of Shakespeare production. Continuing acquisitions of books and manuscripts have increased the size of the collection many times over and broadened the scope of the Library to include every phase of Tudor and Stuart civilization. At present the Library is second only to the British Museum in its holdings of books printed in England between 1475 and 1640. Its holdings in the period from 1640 to 1715, in materials relating to the Continental Renaissance, and in such specialized areas as Renaissance musicology and drama are also extensive.

Facilities include reading room, stacks, offices, and service areas for such activities as ordering, cataloging, binding, and photoduplication. In addition, the Library has a public exhibit hall and a theatre embodying characteristics of an Elizabethan playhouse.

Mr. Folger intended his library to be an active educational center "for the promotion and diffusion of knowledge in regard to the history and writings of Shakespeare." The Library has sought continuously since its creation to enlarge its educational function. Its reading room is open to all qualified scholars. Through its photoduplication department and its travelling exhibits it provides services for scholars and school groups outside of the Washington area. A docent program offers tours and lectures to visiting school groups. The Folger Fellowship program offers senior, short-term, and dissertation year fellowships to both foreign and American scholars. Folger seminars are offered annually in cooperation with the consortium universities of the Washington area and are also open to qualified Amherst students. A program of lectures, concerts, and cultural events is held at the Folger theatre and open to the general public without charge. A repertory group produces four to five dramas each year in the theatre. A publication program further contributes to the Library's objective of "diffusing knowledge" of Shakespeare, of English culture, and of the Renaissance.

### FOLGER LIBRARY OFFICERS

O. B. Hardison, Jr., PH.D., *Director*

Philip A. Knachel, PH.D., *Associate Director*

Richard J. Schoeck, PH.D., *Director of Research Activities*

James R. Elder, PH.D., *Development Officer*

Dorothy E. Mason, M.A., *Reference Librarian*

Lilly C. Stone, B.A., *Head Cataloguer and Curator (Printed Books)*

Sandra Powers, M.A., *Reading Room Supervisor*

Elizabeth Niemyer, M.A., *Acquisitions Librarian*

## AMHERST COLLEGE

Megan Lloyd, B.A., *Executive Editor*

Louis Scheeder, B.A., *Producer, Folger Theatre Group*

Betty Ann Kane, M.A., *Head, Public Programs Department*

## Doshisha University

Located in Japan's ancient imperial capital, The Doshisha was founded by Joseph Hardy Neesima of the Class of 1870, the first Japanese to graduate from a Western institution of higher learning. Neesima stowed away aboard a clipper ship from Japan while it was still officially "closed." From the China Coast he eventually arrived in 1865 aboard a ship owned by Alpheus Hardy, who was a trustee of both Phillips Academy, Andover, and Amherst College.

After graduating from both Andover and Amherst, Neesima returned to Japan to found a Christian college in Kyoto. From this modest start The Doshisha has developed into a university of 19,000 students, a separate (but adjacent) Women's College, three senior and three junior high schools and a kindergarten, with a total enrollment of approximately 30,000, on four different campuses. The Doshisha is one of the oldest and best known private educational institutions in Japan.

Over thirty Amherst graduates have taught at The Doshisha, and since 1922, except for the years 1941 to 1947, Amherst has maintained a resident instructor at Doshisha University.

Through the generosity of alumni and friends of the College, Amherst House, a New England Georgian style residence, was built on the Doshisha campus in 1932 as a memorial to Neesima and to Stewart Burton Nichols of the Class of 1922, the first student representative. It houses some twenty Doshisha students and serves as a center for cultural exchange between faculty and students from East and West. After the end of World War II, Amherst strengthened its representation with a full-time member of the faculty, Professor Otis Cary of the Class of 1943, who directs Amherst House, teaches in the Faculty of Letters in the University and serves in a number of other capacities. Since 1958, a graduating senior has been selected as the Amherst-Doshisha Fellow to live in Amherst House and teach English for one year.

In 1962, the College, thanks to further generosity of friends and alumni, built a guest house of modern Japanese design, which includes quarters for the Director, well appointed guest suites, and dining facilities, to enhance the possibilities of exchange across cultural barriers. As the importance of Eastern ideas and Asian cultures gains increasing recognition, Amherst House is able to provide unique facilities and a sympathetic environment for scholars visiting Kyoto—for a thousand years the capital of Japan and still the center of traditional Japanese culture.

Otis Cary, M.A., *Director*

Mark Monroe Beckwith, B.A., *Amherst-Doshisha Fellow 1973-74.*



# Admission

ADMISSION to Amherst is highly competitive, but there is no rigid formula for gaining admission to the College. In selecting a class, the Committee on Admission looks for a diversity of excellence, academic and otherwise. As you communicate to us your special qualities as a student and as a person, we urge that you exercise the same independence, self-awareness, and imagination we encourage in students at Amherst. In judging an applicant's qualifications, the Committee pays particular attention to (1) the quality of a student's academic program, (2) his academic performance, (3) results of the College Entrance Examination Board Scholastic Aptitude and Achievement Tests or the American College Testing Program, (4) the recommendation of the secondary school counselor or principal, (5) evidence of curiosity and resolution, (6) the character and health of the applicant, and (7) the breadth and depth of his interests and achievements.

In compliance with the Fair Educational Practices Act of the Commonwealth of Massachusetts, the College requests that applicants *not* provide data on race, religion, and place of origin and that they *not* include a photograph. No student is denied admission to Amherst because of race, religion or place of origin.

## HOW AND WHEN TO APPLY FOR ADMISSION

Applications should be filed in senior year between September 1 and February 1. Decisions of the Committee on Admission will be mailed to candidates about mid-April.

Students with exceptional ability and maturity who have outrun the educational opportunities of their communities may apply for admission after three years of secondary school.

Amherst has an Early Decision Program for students who have selected Amherst as the college of their choice. Details are available with the application form. The deadline is November 1, and decisions will be mailed on or about December 1.

Beginning students usually enter only in September.

Financial Aid applicants should refer to pages 53–56.

The formal application should be accompanied by a check or money order for \$15.00 made payable to *Amherst College*. This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

*Correspondence regarding admission to the freshman class should be addressed to the Dean of Admission, Amherst College, Amherst, Massachusetts 01002.*

## DEFERRED ADMISSION

All who are admitted as freshmen may, if they so desire, take a year off between secondary school and college and thereby defer their matriculation for one year.

## AMHERST COLLEGE

### PERSONAL INTERVIEW

Whenever possible, it is desirable that a candidate visit the campus for a personal interview with a member of the Admission Staff. Throughout the year the Office of Admission is open on weekdays from 8:30 a.m. until 12:00 noon and from 1:30 p.m. to 4:00 p.m. Between Labor Day and Christmas it is open on Saturday from 8:30 a.m. to 12:00 noon. Because of the large number of visitors, it is always advisable to write or telephone well in advance for a definite appointment. It would be helpful to the Admission Staff if applicants bring with them to their interviews unofficial copies of their high school or college transcripts. Seniors are urged to visit no later than March 1; juniors no earlier than May 1. Transfers are welcome at any time, but should plan to visit by May 1 if they are seeking admission the following fall.

During the month of March, personal interviews will be granted to transfers only. During the month of April, high school juniors are welcome to attend either of two daily information sessions at 10:30 a.m. and 2:30 p.m. conducted by members of the Admission Staff and students, but personal interviews for juniors will not be granted until May 1.

Because of the tremendous number of visitors during October and November, we find it necessary to conduct group interview sessions from Monday through Friday at 11:30 a.m. and 3:30 p.m. and on Saturday at 11:30 after our individual appointment calendars have been filled. In this way, no one will be denied an opportunity to meet with a member of the Admission Staff during this busy season of the year.

When a trip to Amherst is not feasible, a candidate should write to the Dean of Admission requesting an interview with a local alumnus in or near his home community. The candidate's opportunity for admission will not be prejudiced if circumstances are such that an interview cannot be arranged.

### RECOMMENDED PREPARATION

The following minimum program of studies is recommended:

English .....	4 years
Mathematics .....	3 years (more if your academic interest is in mathematics or the sciences)
Foreign Language .....	2 years (3 or 4 years of one recommended, and preferably through the final year of secondary school)
History and Social Science ....	1 year (more if your academic interest is in these areas)
Laboratory Science .....	1 year (more if your academic interest is in the sciences)

A command of English, which includes perception and understanding in reading and clarity and facility in writing, is essential. Solid grounding in mathematics up to calculus contributes to precision in thought and enables



## ADMISSION

the student to pursue a variety of subjects. Proficiency in a foreign language permits the proper study of other cultures which, in turn, gives added perspective to our own culture and language. Previous study of history, social science, and a laboratory science provides an introduction to the understanding of the past and to the methodology and findings of the chief mode of inquiry in the present-day world. With this background, an entering student will have the foundation he needs to pursue most productively the goals of the liberal arts: to gain a full understanding of himself, his fellow man and nature, and to live an imaginative, responsible, and humane life.

Occasionally a student who shows proof of exceptional ability and maturity may be admitted at the end of junior year without a high school diploma.

## ADVANCED PLACEMENT

Candidates accepted for admission who have completed advanced work in secondary school may apply for advanced placement at Amherst. Each request is considered on individual merit and decisions are based on the teacher's recommendation, score on the College Board Advanced Placement Test, and the amount of material a student would have to repeat. Advanced placement enables qualified students to enroll in more advanced courses, but it does not provide college credit for courses completed in secondary school. The same holds true for individual college courses taken while a student is enrolled in high school. Questions on advanced placement should be directed to the Dean of Admission.

## COLLEGE BOARD TESTS

All applicants for admission are required to take *either* the Scholastic Aptitude Test (SAT) and any three Achievement Tests of the College Entrance Examination Board, *or* the American College Testing Program (ACT) no later than January of senior year for the former and no later than December of senior year for the latter. Inasmuch as the registration deadline for both the CEEB and ACT tests is approximately one month prior to the test date, applicants should arrange to take these examinations as soon as possible with the Secretary of the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540. Students living in Arizona, Arkansas, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, Washington, Wyoming, Alaska, or Hawaii should register with the Secretary of the College Entrance Examination Board, Box 1025, Berkeley, California 94701. For information about ACT tests, write ACT, P.O. Box 168, Iowa City, Iowa 52240.

Applicants in military service whose location makes examinations impossible are exempt from CEEB tests.

**Regents Examinations.** Applicants from the New York State public schools

## AMHERST COLLEGE

are expected to submit scores made on the Regents Examination in addition to the scholastic aptitude and achievement tests given by the College Entrance Examination Board.

### ADMISSION AS A TRANSFER

To be eligible for consideration as a transfer a candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.

2. He must have completed creditably the work of at least one year in an institution of collegiate rank or two years in a junior or community college.

3. He must present a statement of honorable dismissal.

4. He must file a formal application for admission by transfer.

Candidates for admission by transfer are usually admitted in September. The deadline for applications is April 1, and decisions will be mailed on or about May 15.

Candidates should note that, in general, only students with a B average or better will be considered for admission as transfers.

Special consideration is given to graduates of junior or community colleges who have made distinguished academic records.

Financial aid is available for transfer students.

*Correspondence concerning admission of transfers should be addressed to the Dean of Admission.*

### COOPERATIVE ENGINEERING-SCIENCE PROGRAM

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College will permit a student of high standing to pursue a five-year program in which the first three years will be spent at Amherst College and the last two years at the Massachusetts Institute of Technology, or any other engineering school approved by the Dean of the College, with the understanding that if the five-year program is satisfactorily completed the student will receive the degree of Bachelor of Arts from Amherst College and the degree of Bachelor of Science from the engineering school.

### PART-TIME STUDY

All regular students at Amherst College pursue their studies on a full-time basis. However, the Faculty recognizes that the College and the community benefit from the presence of a limited number of part-time students at Amherst. Persons not regularly enrolled may take courses, receive grades, and secure transcripts of the record of their work. Applications for admission for part-time study are handled by the Admission Office. No part-time student may be admitted to a course without the consent of the instructor.

# General Regulations

## TERMS AND VACATIONS

The college year 1973-74 includes two regular semesters, the first with thirteen weeks and the second with fourteen weeks of classes. In the fall semester there is a Thanksgiving recess of one week. After the Christmas recess, there is a January Interterm of approximately four weeks. In the spring semester there is a vacation of one week.

All official college vacations and holidays are announced on the College Calendar appearing at the beginning of this catalog.

## STUDENT CONDUCT

It is the belief of Amherst College that its students should be responsible for setting, maintaining, and supporting moral and intellectual standards. Those standards are assumed to be ones which befit the conduct of a gentleman and which will reflect credit on the College, its students, and its guests.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as unsatisfactory; in such cases fees are not refunded or remitted in whole or in part, and neither the College nor any of its officers consider themselves to be under any liability whatsoever for such exclusion.

Students are expected to conduct themselves in a manner consistent with the principles set forth in the following three statements. Failure to do so may in serious instances jeopardize the student's continued association with the College.

### A. STATEMENT ON INTELLECTUAL RESPONSIBILITY AMONG STUDENTS AT AMHERST COLLEGE

#### *Preamble*

This Statement is an institutional expression of the basic fact that every person's education is the product of his own intellectual efforts. Amherst cannot educate one who will not educate himself. Amherst sees no value in making its facilities available to a student who avoids the responsibility and opportunity for his own education. Every student who enrolls and remains

## AMHERST COLLEGE

at Amherst, therefore, understands that to submit work which is not his own violates the purpose of the College and of his presence there. No intellectual community can maintain its integrity or be faithful to its members if violations of its central purpose are for any reason tolerated.

This principle of intellectual responsibility applies to all work done by students.

### *Article I*

The statement on Intellectual Responsibility will appear in the *Amherst College Catalog*, *Student Handbook*, and other publications deemed appropriate. The Preamble will also be printed on the back of enrollment cards for every course. The instructor in each course shall discuss the implications of the Statement on Intellectual Responsibility for the specific work of his or her course.

### *Article II*

Section 1. Examinations will not be proctored; orderly and honorable conduct of examinations will be the individual and collective responsibility of the students concerned, in accordance with the Statement on Intellectual Responsibility above.

Section 2. The instructor may be present at examinations at appropriate times to answer any questions that arise.

### *Article III*

The Judicial Board shall make provisions for explaining the Statement on Intellectual Responsibility to incoming students and to new members of the Faculty, and for publicizing and interpreting the Statement to the student body during the year. The Judicial Board will conduct any question relating to intellectual responsibility that may be brought before it and may also act upon its own motion.

## B. STATEMENT ON FREEDOM OF EXPRESSION AND DISSENT

Amherst College prizes and defends freedom of speech and dissent. It affirms the right of teachers and students to teach and learn, free from coercive force and intimidation and subject only to the constraints of reasoned discourse and peaceful conduct. It also recognizes that such freedoms and rights entail responsibility for one's actions. Thus the College assures and protects the rights of its members to express their views so long as there is neither use nor threat of force nor interference with the rights of others to express their views. The College considers disruption of classes (whether, for example, by the abridgement of free expression in a class or by obstructing access to the place in which the class normally meets) or of other academic activity to be a serious offense that damages the integrity of an academic institution.



## GENERAL REGULATIONS

### C. STATEMENT ON RESPECT FOR PERSONS

Respect for the rights, dignity and integrity of others is essential for the well-being of an academic community. Actions by any student which do not reflect such respect for others are damaging to each of us and hence damaging to Amherst College.

### ATTENDANCE AT COLLEGE EXERCISES

It is assumed that students will make the most of the educational opportunities available by regularly attending classes and laboratory periods. At the beginning of the semester, each instructor is free to state his policy with regard to absences in his course. Thereafter, he may take such action as he deems appropriate, or report to the Dean of Students the name of any student who disregards the regulations announced.

Students are asked to notify the office of the Dean of Students if they have been delayed at home by illness or family emergencies. They are also requested to report any unusual or unexplained absence from the College on the part of any fellow student.

If a student has been attended at home by a physician, he should, on the day of his return, report the absence to the Office of the Dean of Students and submit a statement concerning his illness and any recommended treatment to the Student Health Office. Students who are ill at College will normally be attended at the Millikin Infirmary or will be referred to the University of Massachusetts Infirmary by the Staff Physician. It is assumed that all students not admitted to the Infirmary or excused by the attending physician are well enough to attend their regular classes.

The responsibility for any work missed due to an illness or other absence rests entirely upon the student.

The College maintains a Physical Education requirement, and for that purpose the academic year is divided into four units, fall, winter I, winter II, and spring. Each freshman is expected to complete two units of physical education during his first year, and if a student fails to do so, he will be required to make up his deficiency during his upper class years. During the sophomore year students are expected to participate in an individually structured physical education program which is devised by the student himself and is supervised by a member of the department.

### RECORDS AND REPORTS

Grades in courses are reported in three categories:

Honor Grades = A+, A, A-, B+, B, B-

Passing Grades = C+, C, C-, D.

Failing Grade = F.



## AMHERST COLLEGE

Term averages and cumulative averages are reported on a 14-point scale rounded to the nearer whole number. The conversion equivalents are: A+ = 14, A = 13, A- = 12; B+ = 11, B = 10, B- = 9; C+ = 8, C = 7, C- = 6; D = 4; F = 1.

Grade reports for D and F grades only will be sent to students after the end of the seventh week of classes each semester. A report of all grades and averages will be sent to each student at the end of each semester.

The academic records and averages of Amherst College students completing Five-College Interchange courses at Hampshire College, Mount Holyoke College, Smith College and the University of Massachusetts will include these courses and grades; no separate transcripts are maintained at the other institutions for Amherst College students.

"Rank in class" will not be used, but transcripts and grade reports will be accompanied by a profile showing the distribution of cumulative averages for students of the same class level in the current and in the previous two years.

Student academic records are maintained by the Registrar's Office and are confidential; information is released only at the request of the student or of appropriate institutions. Students are advised that their records are made available to their secondary schools and to certain legitimate research agencies such as the National Registration Office. Partial transcripts are not issued; each transcript must include the student's complete record at Amherst College to date. An official transcript carries an authorized signature as well as the embossed seal of Amherst College.

Transcripts of credit earned at other institutions, which have been presented to Amherst College for admission or transfer of credit, become a part of the student's permanent record and are not issued, reissued or copied for distribution. With the exception of Five-College Interchange courses, grades for courses that were transferred from other institutions are not recorded; credit only is listed on the Amherst transcript. Transcripts for all academic work at other institutions of higher education should be requested directly from those institutions, including summer schools.

## EXAMINATIONS

Examinations are held at the end of each semester and at intervals in the year in all courses. At the end of each semester, final grades are reported and the record for the semester is closed. No extension of time is allowed for intra-term examinations and incomplete laboratory work beyond the date of the last scheduled class period of the semester, unless exception is granted by the instructor and the Dean of Students.

A student who is prevented by illness from attending a semester examination may be granted the privilege of a special examination by the instructor and the Dean of Students, who will arrange the date of the examination

## GENERAL REGULATIONS

with the instructor. There are no second or make-up semester examinations, unless a student is prevented by illness from taking such an examintaion at the scheduled time.

A semester examination may be postponed only by approval of the instructor and the Dean of Students.

## DELINQUENCIES

At the midpoint and end of each semester, the cases of all students whose work is unsatisfactory are brought before the Deans for consideration. Those who have clearly shown their unfitness for college work are dismissed from the College. Others whose records are unsatisfactory are placed on scholastic probation.

Students belonging to one or more of the following groups may not expect to continue at Amherst College:

- a. Those who in any semester are failing in two or more courses. Withdrawal from a course while failing it shall count as a failure.\*
- b. Those who in any semester fail a course and receive an average of less than 7 in courses passed.\*
- c. Those who in any semester pass all courses but receive an average of less than 6.
- d. Those who have been in Amherst three or more semesters and have an average of less than 6 in all courses taken at the College.
- e. Those who have accumulated delinquencies in three or more courses during their college careers.
- f. Those who have been on probation and have failed to meet the conditions of their probation.

The requirements of the Physical Education Department include: a) conscientious attendance; b) completion of two units of physical education; c) two units of beginning swimming for non-swimmers.

No student may take courses in a summer school to make up a delinquency incurred at Amherst College unless his summer school courses are approved in advance by the Dean of Students. Similarly, Amherst College credit will not be given for courses taken in summer school unless approval is secured in advance from the Dean of Students.

The College does not grant credit for summer school courses completed with a grade below C.

## ROOMS AND BOARD

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory

\*c.f. Degree Requirements, page 57, section 1.

## AMHERST COLLEGE

rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc.; they may not add beds, sofas, lounges, or other furniture of such nature except under certain circumstances. More complete regulations for dormitory occupancy are contained in the Student Handbook.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals.

*A complete description of the regulations of Amherst College on such matters as the Judicial System by which charges brought against students are considered, Dormitories, Motor Vehicles, Student Health, Eligibility Rules for participation in extracurricular activities, and other areas of student life are contained in the Student Handbook.*

# Tuition and Fees

A CANDIDATE'S formal application for admission should be accompanied by a \$15 application fee in check or money order payable to Amherst College. Upon notification of his admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of \$100 which will be credited in full on his first term bill.

Comprehensive Fee (Tuition, Room, Board)	\$4,250
Student Activities Fee	64
Blue Cross-Blue Shield Student Health Plan	45
	<hr/>
	\$4,359

The first semester bill in the amount of \$2,234 is mailed to all students in August and is due and payable on or before August 31, 1973. The second semester bill totaling \$2,125 is mailed approximately January 1, 1974 and is due and payable on or before January 14, 1974. All college scholarships, Insured Tuition Plan payments, and any other cash payments received prior to mailing will appear as credits on the bill.

Student identification cards will be issued by the Comptroller's Office upon payment of the College bill. These cards must be obtained before course cards may be picked up.

The fee for the support of various activities of the student body for 1973-74 is determined by the Student Allocation Committee. The \$64 fee (included in the first semester bill) is turned over to the Director of Student Activities for controlled expenditure through the Student Allocation Committee. This fee provides a student with a copy of the yearbook, *The Olio*, and a one-year subscription to the student newspaper and magazine, *The Amherst Student* and *The Amherst Literary Magazine*. The fee also contributes to the support of the Masquers, the Film Society, The Seventy Players, the radio station, and includes tutorial and hospital service commitments as part of the more than forty organizations which make up student activities.

The charge of \$45 appears on the comprehensive bill for twelve months Accident and Sickness Insurance for the period September 1, 1973 through August 31, 1974. Details concerning the Student Health Services and the Blue Cross-Blue Shield Student Health Plan appear in the Amherst College Student Handbook.

Miscellaneous charges such as fees for late registration, extra courses, library fines, lost or damaged property, etc., are payable currently when incurred.



## AMHERST COLLEGE

### *Payment Plans*

For those who wish the convenience of monthly payments, arrangements have been made for both a pre-payment plan and loan plan, including insurance for continued payment in case of death or disability of the parent. For further details write to: The Insured Tuition Payment Plan, 38 Newbury Street, Boston, Massachusetts 02116.

### *Tuition Changes*

Despite every effort to maintain College fees at the lowest possible level, it has been necessary to increase the tuition fee at Amherst in each of the past six years. Therefore, students and their parents are advised that such increases may well be necessary in subsequent years. The College attempts to notify students of tuition changes at least twelve months in advance. Financial aid awards will be based on the schedule of fees in effect during the year of the award. Students who may require financial aid as the result of tuition changes are eligible to make application whenever necessary.

### *Refund Policy*

In case of withdrawal before the opening day of a semester, all charges will be canceled.

Refund of payment for or credit on student accounts in the event of withdrawal are as follows:

#### TUITION

Period of attendance calculated from day of first scheduled classes:

Prior to first day—100%	\$1,575.00
1 day to 2 weeks—80%	1,260.00
2 weeks to 3 weeks—60%	945.00
3 weeks to 4 weeks—40%	630.00
4 weeks to 5 weeks—20%	315.00
5 weeks or more	no refund

#### ROOM & BOARD

Refund shall be made on a formula basis for any student who withdraws voluntarily or who is dismissed from the college during a semester.

#### SCHOLARSHIP GRANTS

Scholarship grants are canceled in full when determining cash refunds.

*The officer having general supervision of the collection of tuition and fees is the Comptroller.*



# Financial Aid

**I**N a sense, every student at Amherst College is on scholarship. Beginning in September, 1973, the comprehensive charge for tuition, room, board and fees will be \$4,250 yet the education of each student costs the College more than \$9,400 per year. General endowment income, gifts and grants to the College supply the difference.

For those students who cannot afford the regular charge, financial aid is available from a variety of sources. Through the years alumni and friends of the College have contributed or bequeathed capital funds whose income is to be used for scholarship aid to worthy students. These funds now amount to more than \$5,900,000. Some, such as those designated for candidates for the ministry or those for students from certain geographical areas, are restricted in use. For the most part, however, the income from these funds may be used at the discretion of the College.

Each year the alumni of the College through the Alumni Fund contribute a substantial sum for scholarship and financial aid purposes. Several Amherst Alumni Associations also provide special regional scholarships to students from their areas; such awards are currently sponsored by the Boston, Connecticut, Minnesota, New York City, Northern Ohio, St. Louis, Washington and Wisconsin Associations. Without these alumni contributions, the College could not maintain its present financial aid program.

Additional financial aid is available to Amherst students from sources outside the College. A number of foundations and corporations grant funds which the College distributes on the basis of high merit and financial need. Notable special scholarships are granted by the Edwin Gould Foundation for Children, the Gilbert H. Grosvenor Memorial Fund, the Agnes M. Lindsay Trust, and the Charles C. Patrick Memorial Fund. The College also participates in the College Work-Study, the Supplementary Educational Opportunity Grant and the National Direct Student Loan programs of the federal government.

Amherst College has a broad financial aid program in which scholarship grants, loans and student employment all play an important part. About one third of the students receive financial aid. Awards range from \$100 to \$4,500.

*The officer directly in charge of the administration of financial aid is Dean Routh.*

## AMHERST COLLEGE

### FINANCIAL AID POLICY AND PROCEDURE

The College grants financial aid only in cases of demonstrated financial need, but a student's character and academic performance and promise are important factors. A student's financial need is calculated by subtracting from his probable college-year expenses the amount which he and his family may reasonably be expected to supply. His college-year expenses include tuition, room, board, fees, transportation and a sum of \$700 for books and personal expenses. The family contribution is computed in accordance with the standard procedures of the College Scholarship Service. The College assumes further that each student will assist in financing his education through summer employment and part-time jobs during the college year.

Financial aid awards are generally a combination of scholarship grant and self-help opportunities. Under normal circumstances, after allowance has been made for the family contribution and the student contribution from savings and summer employment, the initial \$1100-1400 of the applicant's demonstrated need will be met with a combination of college-year employment and long-term, moderate-interest loan and he may expect to receive gift aid to cover the balance of his need. These loans require no payment of interest or principal before graduation from Amherst or graduate school, or until completion of military, Peace Corps or VISTA service, whichever is latest. Thereafter, the loans are repayable on a monthly or quarterly basis within a ten-year period at a moderate rate of simple interest.

Renewal of scholarship grants is not contingent upon acceptance of the loan portion; many students prefer to earn more money during the summer or at college so that no loan is needed. Students who are unable to meet the summer-earning expectation by reason of unusual or educational summer-time opportunities or who find it difficult to undertake campus employment may petition for an increase in loan to cover the difference. The size of the loan portion is also influenced by the overall performance of the student. Recipients of national scholarships and outside foundation awards are often subject to a modification of the loan portion.

### APPLYING FOR FINANCIAL AID

Financial aid candidates should file applications for financial aid at the same time they file their applications for admission. Applications must be received by the Admission Office before February 1 to be considered. An application for financial aid requires the submission of two forms: (1) a Parents' Confidential Statement, to be completed by the candidate's parents; and (2) an Amherst College Financial Aid Application, to be completed by the candidate. The Parents' Confidential Statement may be obtained from any secondary school guidance counselor; parents should send the completed

## FINANCIAL AID

form to the College Scholarship Service which will process it and forward the results to Amherst College for evaluation and final decision. Amherst College Financial Aid Applications may be obtained from the Admission Office as part of the application for admission. Applicants for financial aid need not take any special examinations other than those required for admission.

Undergraduates who desire renewal of their financial aid awards or who wish to apply for financial aid for the first time must file applications by April 20. Renewal forms may be obtained in the Financial Aid Office and should be returned directly there. Upperclassmen will receive notification of their financial aid awards in July.

## WILLIAM M. PREST BEQUEST

The Faculty of Amherst College, at its meeting of February 29, 1972, passed by unanimous vote a resolution that:

... until such time as it votes to the contrary, the income and a portion of the principal of the Bequest of William M. Prest, Class of 1888, will be used to initiate new approaches to the problem of providing appropriate forms of financial assistance to Amherst College students.

The William M. Prest Bequest presently has a value of \$735,000 and an annual income of approximately \$36,000. First claim on the Prest funds will go to transfer students at Amherst, with special consideration to graduates of junior and community colleges. The balance of the income—and up to five percent of the principal—will be used to inaugurate the William M. Prest Loan Fund, a program of long-term loans at a moderate rate of interest with a graduated repayment schedule to reflect more accurately the earnings expectation of college graduates.

Although a regular financial aid application will be required from candidates for Prest Loans, they will be awarded on a less stringent basis than are the regular financial aid funds of the College. The actual demand and priority for such loans will have to be determined by experience but it is anticipated that as much as \$40,000 in Prest Loans will be advanced in 1973-74.

## STUDENT LOAN FUND

Through the generosity of friends of the College, the Student Loan Fund has been established from which small short-term loans may be made to students who require funds to meet personal emergencies or other needs for which financial aid funds may not be obtained. In accordance with the conditions set by the donors, use of the Student Loan Fund is limited to students in good scholastic standing whose habits of expenditure are eco-

## AMHERST COLLEGE

nomical. The rate of interest is slightly higher and the repayment period shorter than for scholarship loans, but complete scholarship application procedure is not required. The New England Society's Student Loaning Fund (for New England residents) and the Morris Morgenstern Student Loan Fund provide special interest-free loans on the same short-term basis as other student loans.

## ADDITIONAL FINANCIAL AID INFORMATION

A more detailed description of the financial aid program, *Costs and Financial Aid at Amherst College*, is available upon request from the Admission Office. Questions about the financial aid policy of Amherst College should be directed to Dean Routh.



# Degree Requirements

## BACHELOR OF ARTS

THE degree, Bachelor of Arts, is conferred upon students who have satisfactorily met the requirements described below. The plan of studies leading to this degree is arranged on the basis of the equivalent of an eight-semester course to be pursued by students in residence at Amherst College.

The degree, Bachelor of Arts, *cum laude*, *magna cum laude*, or *summa cum laude* (Degree with Honors) is awarded to students who have successfully completed an approved program of honors work with a department or group.

Other students who satisfactorily meet the requirements as indicated below receive the degree, Bachelor of Arts, *rite*.

### REQUIREMENTS

The Bachelor of Arts degree is awarded to students who:

1. Complete thirty-two full semester courses and four years of residence,\* except that a student who has dropped a course without penalty during his first year, or who has failed a course during his Freshman or Sophomore year, shall be allowed to graduate, provided he has been four years in residence at the College and has satisfactorily completed thirty-one full courses.

2. Complete the requirements for a major in a department or a group of departments including a satisfactory performance in the comprehensive evaluation.

3. Complete certain prescribed work in physical education;

4. Attain a general average of 6 in the courses completed at Amherst and a grade of at least 70 or C in every course completed at another institution for transfer credit to Amherst.

\*In exceptional cases, a student with at least six semesters of residence at Amherst and at least twenty-four courses, excluding summer school courses not taken as make-up work or recognized as part of a transfer record, may apply for early graduation. A student seeking to graduate before he has satisfied the normal 32 course requirement will have the quality of his achievement thoroughly evaluated. He must receive the approval of his advisor, his Department, the Dean of the Faculty and finally the Faculty in order to be granted the status of a candidate for the degree. See also p. 61.



## AMHERST COLLEGE

### COURSE REQUIREMENTS

All students except Independent Scholars are required to elect four full courses each semester and may elect an additional half course. The election of a half course in addition to the normal program is at the discretion of the student and without special permission. A student may not elect more than one half course in any semester except by consent of the Dean of Students and the departments concerned. In such cases the student's program will be three full courses and two half courses. Half courses are not normally included in the thirty-two-course requirement for graduation.

In exceptional cases a student may, with the permission of both his academic advisor and the Dean of Students, take five full courses for credit during a given semester. Such permission is normally granted only to students of demonstrated superior academic ability, responsibility and will.

Any student who has failed a course will be able to take a fifth course in a given semester if, in the judgment of the Dean of Students and his advisor, this additional work can be undertaken without prejudice to his regular program.

Students who prefer to make up a failed course at another approved institution in the summer may do so.

A student may not add a course to his program after the fourteenth calendar day of the semester.

A freshman may, with the approval of the Dean of Students, drop one course during his first year without receiving a failing grade. He may drop the course either in the first or the second semester any time within the first eight weeks. Other exceptions to this rule shall be made only for medical reasons, or reasons of grave personal emergency, and shall be made only by the Dean of Students.

### THE MAJOR REQUIREMENT

A major normally consists of eight courses pursued under the direction of a department or special group. A major may begin in either the freshman or sophomore year and is normally declared by the beginning of the junior year. Students may change their major at any time provided that they will be able to complete the new program before graduation.

The major program can be devised in accordance with either of two plans:

#### DEPARTMENTAL MAJORS

A student may complete the eight-course requirement within one department. He must complete at least six courses within one department, however, in which case he may take the remaining two courses in related fields approved by the department.

## DEGREE REQUIREMENTS

### INTERDEPARTMENTAL MAJORS

Students with special needs who desire to construct an interdepartmental major will submit a proposed program, preferably with the endorsement of one or more professors from each of the departments concerned, to the Committee on Interdisciplinary and Special Studies. Such a program is normally composed of courses available in the existing departments and is not to be confused with the Independent Study program. If the CISS approves the proposal, it will appoint an ad hoc committee which will have all further responsibility for approving modifications in this program, selecting an advisor, administering an appropriate comprehensive examination, and making recommendations for graduation with honors.

A part of the major requirement in every department is an evaluation of the student's comprehension in his major field of study. This evaluation may be based on a special written examination or upon any other performance deemed appropriate by each department. The mode of the evaluation need not be the same for all the majors within a department, and, indeed, may be designed individually to test the skills each student has developed.

The evaluation should be completed by the seventh week of the second semester of the senior year. Any student whose comprehension is judged to be inadequate by his department will have two opportunities for re-evaluation: one not later than the last day of classes of the second semester of the senior year, and the other during the next college year.

### DEGREE WITH HONORS

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude*, *magna cum laude*, or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such awards the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 9 (B—) to be eligible to be considered for the degree *cum laude*, of 11 (B+) for the degree *magna cum laude*, and of 12 (A—) for the degree *summa cum laude*. (2) Candidates must receive the recommendations for the degree *cum laude*, *magna cum laude*, or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be its practice to make recommendations to the Faculty. (3) Candidates for the degree *magna cum laude* or *summa cum laude* will have their entire records reviewed by the Dean of the Faculty and the Committee of Six, who

## AMHERST COLLEGE

will transmit their recommendations to the Faculty. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

In exceptional cases, upon recommendation of the department in which the candidate has done his major work, the Committee of Six may recommend to the Faculty that a student be awarded a degree of honors for which he does not have the required average.

The minimum average required for a student to be accepted by a department as a candidate for honors is determined by the department concerned.

Students in the Independent Study Program may become candidates for the degree with honors. Recommendations for such students will be made by the student's tutor together with those members of his committee who have joined in assigning him his comprehensive grade in the program.

## INDEPENDENT STUDY

A limited number of students who elect to do so may participate in an independent study program, usually in the junior or senior years. Participants are chosen by the four-member Faculty Committee on Independent Study, which includes the Dean of the Faculty, after nomination for the program by a member of the Faculty. Independent Scholars are free to plan a personal program of study under the direction of a tutor, chosen by the student with the advice and consent of the Committee. The tutor provides the guidance and counsel necessary to help the student attain the educational objectives he has set for himself. The tutor and one or more other members of the Faculty familiar with the student's work will ultimately assign a comprehensive grade and provide a detailed, written evaluation of the student's performance which will become part of his formal record at Amherst College. Grades in such regular courses as the student may elect will be taken into account in assigning the comprehensive grade, and the student is eligible for a degree with honors, as well as all other awards and distinctions.

## FIELD STUDY

The Faculty has instituted a program of field study under which a student may pursue a course of study away from Amherst for either one or two semesters. A student is admitted to the program by the Faculty Committee on Field Study after approval of his written proposal, and is assigned a Field Study Advisor chosen from the Faculty.

Upon being admitted to Field Study, a student becomes a candidate for the degree of Bachelor of Arts with Field Study, which is normally attained in four and one half or five years. During his first semester in residence at Amherst after his period of Field Study, a student must take a Special Topics course, normally with his Field Study Advisor, in which he draws



## DEGREE REQUIREMENTS

on both his experience of Field Study and further investigation relating to it. A student may also pursue a related Special Topics course in the semester before he enters his program of Field Study.

A student pursuing a two-semester plan of Field Study will be allowed to continue after the first semester only upon providing evidence to the Faculty Committee on Field Study that he is satisfactorily carrying out his program. No student shall begin his study in the field later than the first semester of his senior year.

A student pursuing Field Study shall maintain himself financially in the field, and during the period shall pay a Field Study fee to the College in lieu of tuition.

The transcript of a student who has undertaken Field Study shall include a short description and appraisal by his Field Advisor of the student's project and of the related Special Topics course.

## ADVANCED PLACEMENT

In cases where a student's Advanced Placement curriculum, scores, and academic record indicate that an Amherst course will be largely repetitive, a student may apply for an advanced course. Approval for the advanced course is granted after a conference with the professor who will teach the higher-level offering. Amherst credit is not granted for Advanced Placement work, but it is possible for a student to graduate after three years and the completion of twenty-four Amherst courses.

Questions about Advanced Placement should be directed to the Dean of Admission. For further information, candidates should consult the Advanced Placement booklet in their secondary school guidance office.

## EARLY GRADUATION

In cases judged exceptional by comparison with precedent and by a thorough evaluation of the quality of a student's achievement, and with the approval of the Dean, the student's department, and his advisor, the Faculty may grant a Bachelor of Arts degree to a student who has not satisfied the normal requirements of eight semesters enrollment and credit for thirty-two courses taken at Amherst or an approved institution. Under no circumstances will applications for early graduation be considered for students who have been enrolled for less than six semesters and have received credit for fewer than twenty-four courses. Summer school courses not taken as make-up courses or recognized as part of a transfer record will not be credited in an application for early graduation.

## FIVE COLLEGE COURSES

Amherst, Hampshire, Mount Holyoke and Smith Colleges and the University of Massachusetts have for some time combined their academic activities in

## AMHERST COLLEGE

selected areas for the purpose of extending and enriching their collective educational resources. Certain specialized courses not ordinarily available at the undergraduate level are operated jointly and open to all. In addition, a student in good standing at any of the five institutions may take a course, without cost to the student, at any of the other four if the course is significantly different from any offered on his own campus and he has the necessary qualifications.

The course must have a bearing on the educational plan arranged by the student and his adviser. Approvals of the student's adviser and the Academic Dean of the College (Provost at the University) at the home institution are required. Permission of the instructor is required for students from other campuses if permission is required for students of the institution at which the course is offered.

Students should apply for interchange courses at least six weeks prior to the beginning of the semester since they may find some courses already filled after that time. Free bus transportation among the five institutions is available for interchange students.

Students interested in such courses will find current catalogs of the other institutions at the Loan Desk of the Library and at the Registrar's Office. Application blanks may be obtained from the Registrar's Office.



# COOPERATIVE DOCTOR OF PHILOSOPHY

A COOPERATIVE Doctor of Philosophy program has been established by Amherst, Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts. The degree is awarded by the University of Massachusetts but some and perhaps much—and in a few exceptional cases even all—of the work leading to the degree might be done in one or more of the other institutions.

When a student has been awarded a degree under this program, the fact that it is a cooperative doctoral degree involving Amherst, Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts will be indicated on the diploma, the permanent record, and all transcripts, as well as on the commencement program.

The requirements for the degree are identical to those for the Ph.D. degree at the University of Massachusetts except for the statement relating to "residence." For the cooperative Ph.D. degree "residence" is defined as the institution where the dissertation is being done.

Students interested in this program should write to the Dean of the Graduate School at the University of Massachusetts. However, students who wish to work under the direction of a member of the Amherst Faculty must have their proposal approved by the Dean of the Faculty of Amherst College and by the Amherst Faculty Committee of Six.



# III

## COURSES OF INSTRUCTION



*Johnson  
Chapel*





# Courses of Instruction

COURSES are open to all students, subject only to the restrictions specified in the individual descriptions. Courses listed as elective for a particular class may be elected by members of that class and higher classes. In general all courses numbered 1 to 9 are introductory language courses. Introductory courses in other areas are numbered 11 to 20, senior honors courses, usually open only to candidates for the degree with honors, are numbered 77 and 78, and special topics courses are numbered 97 and 98. All courses, unless otherwise marked, are full courses. The course numbers of double courses and half courses are preceded by D or H. All odd-numbered courses are offered in the first semester, unless followed by the designation s, and all even-numbered courses are offered in the second semester unless followed by the designation f (with the exception of the Freshman Seminars below, which are listed sequentially).

## SPECIAL TOPICS COURSES

Departments may offer a semester course known as Special Topics in which a student or a group of students study or read widely in a field of special interest. It is understood that this course will not duplicate any other course regularly offered in the curriculum and that the student will work in this course as independently as the director thinks possible.

Before the time of registration the student should consult the teacher in whose field of competence his subject comes and who will direct his work; they will decide the title to be reported, the nature of the examination or term paper, and will discuss the preparation of a bibliography and a plan of coherent study. All students must obtain final approval of the Department before registration. Two Special Topics courses may not be taken concurrently except with the prior approval of the Dean of Students.

## FRESHMAN SEMINARS

Designed especially for first-semester freshmen, these courses share a common purpose and a common style. An upperclassman, usually a senior, will normally participate with the instructor in the planning and teaching of each seminar. The subject matter of each seminar as described below serves as an initial starting point, as a focus of interest. Thereafter, the direction taken by each seminar will depend to an unusual degree upon all the participants.

## AMHERST COLLEGE

Emphasis will fall as much upon questions concerning the value and responsibility of knowing as upon a specific subject or discipline. What matters is the quality of talk, sustained by qualities of mind.

First semester. Two seminar meetings per week.

**1. Consequences of Scientific Discovery.** The starting point will be *The Copernican Revolution: Planetary Astronomy in the Development of Western Thought* by Thomas S. Kuhn. The simple observational facts which played a role in the transition from a geocentric to a heliocentric model of the universe will first be studied with the aid of a Planetarium and naked eye observation of the heavens. Discussion will then focus on the interplay between purely scientific considerations and religious, philosophical, and social concepts. The suggested theme for continuation of the seminar is a critique of the role of science in shaping modern society. Matters of social and ethical concern will be of primary interest.

The material on the Copernican Revolution is not of such a technical nature that it requires a mathematical background. A balanced mixture of science and non-science students would be the most desirable composition of the group.

Professor Towne and David N. Mastronarde '74.

**2. Stories and Storytellers.** The question, "Why do men tell stories, and why do others listen?" set against a background of readings from modern and ancient literature: Homer, Herodotus, Shakespeare, Tolstoy, Gogol, Borges, and others, including particularly "naive" literature, folktales and children's stories. Additional readings from Freud, Jung, Laing, Lévi-Strauss. This is not to be a survey of great books nor a catalogue of the current received wisdom on folklore and mythology, but an object lesson in how a humanist examines a human phenomenon.

Professor Flory and Norbert Lempert '76.

**3. Political Obligations.** The seminar will consider the grounds on which one can claim to be free from obligations that run counter to one's own opinion or the sense of one's own good—or, on the other hand, the grounds on which one may be obligated to accept restraints on one's personal life or support policies with which one deeply disagrees. The arguments will be tested against the problems of war, abortion, privacy, censorship, suicide, and the obligation to rescue; and the task in all cases will be to force a confrontation between the standards one would use in judging individuals (including oneself) and the standards one would insist upon in judging the morality of public policy.

Professor Arkes and Bruce Shortt '74.

**5. Rousseau and Modern Consciousness.** Jean-Jacques Rousseau made an enormous contribution to the forging of a modern consciousness in the spheres of aesthetics, morality, political philosophy, psychology, and social

## FRESHMAN SEMINARS

theory. The seminar will read Rousseau's major works against the background of his period. In individual projects, students will trace his influence.

Professor N. Birnbaum and Dennis M. Wisniewski '74.

**6. The Declaration of Independence.** The seminar will explore the principles set forth by Jefferson in the "preamble" of the Declaration, the idea of "self evident" truths, the meaning of "created equal," "unalienable rights," "life, liberty and the pursuit of happiness," "the deriving of just powers," "alter and abolish government," and so forth. We shall be primarily, but not exclusively interested, not in the original meaning of these phrases and words, but in their meaning to later generations and particularly to our own.

Professor Commager and John C. Murphy '74.

**7. The Expression of the Self and Beyond.** The general concern of the seminar will be the student's experience of his education and his world through what he hears and sees, and his expression of that experience in speech, writing, or other forms. Although D. H. Lawrence's novel *The Rainbow* will be read early in the term and either *The Education of Henry Adams* or Wordsworth's *The Prelude* at the end, other than verbal media may be explored. Early meetings will be devoted to discovering the interests and talents of the members of the seminar, so that these may be used in determining the direction and substance of the larger part of the semester.

Professor Heath and Joseph V. Long, III, '74.

**8. The History of Embryology in the Context of the History of Ideas.** An examination of the history of the science of embryology from the Egyptians to the present time, with a view toward discovering the interrelationship of biological, philosophical, and theological reasoning in any one epoch. Initial emphasis will be on the role of Aristotle, Descartes, Diderot, and Darwin in setting the intellectual climate which influenced the biological questions which were addressed in different periods of history.

Professor Karfunkel and Stephen Senft '74.

**9. The Mechanical View of Life.** We will begin with the proposition, particularly well put by the philosopher Leibniz, that "All that takes place in the body of a man or of any animal is as mechanical as that which takes place in a watch." The basis for this proposition will be explored in books written for a non-technical audience by scientists such as Sherrington, Monod, and Schrödinger. Each student will be encouraged to develop his own view as to whether he finds the mechanical view consonant with his own philosophy, especially regarding the idea of free will.

Professor Kropf and Glenn E. Thomas '74.

**10. What Are, or Should Be Our National Priorities.** This course will focus on current problems in national policy-making. The purpose of such a focus is both to get students to think systematically about social problems and to use some tools of social science in their investigation. The particular topics



## AMHERST COLLEGE

chosen will depend on student interest, but some likely choices are: poverty and income maintenance, health care, child development and child care, education, national defense spending, or judicial reform. Because I would like to discuss whatever topics are chosen in some depth, only three topics will be covered during the semester. The students will select those topics they wish to pursue after two weeks of reading. To establish some background, readings in the first two weeks will include: (1) The 1974 Budget of the United States; (2) *Setting National Priorities, the 1974 Budget* (The Brookings Institution; we may also read a similar volume for 1973); and (3) A. Rivlin, *Systematic Thinking for Social Action*.

Professor Nicholson and Marc E. Manly '74.

**11. An Inquiry into Life Style, Personality, and Free Will.** How does one know whether the image one has of oneself corresponds to reality? If this image is created in significant measure by others, by family, culture, so as to orient one's very choices from college courses to one's profession, then what is the meaning of free will? "I'm no good with my hands" is a statement intended to reflect personality, but as often reflects a culture in which one can "choose" not to use one's hands. Is it "a waste" when a college-educated youth becomes a carpenter instead of a business executive?

We shall seek practical as well as philosophical answers to these and related questions in the light of opinions from a number of thinkers: Thoreau and Proust on the individual's obligation to himself; Camus vs. Sartre on conscience in politics; Leonardo da Vinci and *The Whole Earth Catalogue* on eclecticism in life style; Plato on the unity of the virtues.

Professor A. Ryerson and Mark Troll '74.

**12. Computers.** Selected aspects of the history and impact of the computer will be discussed. Among specific topics to be considered are the effect of the computer on society, technology, science, mathematics, and art. Each student is expected to learn and use at least one elementary programming language as a means to understanding the nature of the computer.

Professor Starr and Richard A. Thomas, Jr., '74.

**13. Symmetry and Form in Natural Philosophy.** Symmetry in the natural world is the first indication of the existence of order and plan as opposed to chaos and formlessness. Symmetry concepts arise in the explanation of a wide variety of phenomena and so provide a unity of knowledge. Mathematical formulations describing the character of the physical world contain symmetry, but the concept itself can be grasped more readily than, and apart from these formulations. And the understanding achieved is more intuitively applicable. The geometrical symmetry of spheres, snowflakes; plants is well known, but the symmetries in the laws of nature themselves are less well appreciated. The course will concentrate on first arriving at a definition of the concept of symmetry, and then we will turn to appreciating



## AMERICAN STUDIES

the simplicity and pervasiveness of symmetry in science. Even such pseudo-sciences as alchemy and astrology are based on a faith in some type of symmetry, and class study into these might be undertaken.

Professor Valberg and Michael M. Soojian '75.

**14. The Promise of Equality in American Life.** The philosophy and law of equality and equal protection as provided in the Constitution of the United States and interpreted by the Supreme Court; the classic paradox of liberty and equality; the rewards and disappointments of equal justice in the racial, ethnic, sexual, and class aspects of American life; and moral and policy issues at stake in the fulfillment of the promise of equality.

Professor Latham and Frank S. Gordon '74.

**15. Man in a Technological Society.** Study of several contemporary problems emerging from the complex technologies of our advanced society, together with evaluation of suggested cures. The interconnections among initial discovery, technological development, and subsequent beneficial or destructive use will be considered together with the question of responsibility for setting priorities and making choices in specific cases. Examples may include brain research and behaviour control, genetic studies and biogenetic engineering, computers and privacy, the environmental effects of the use of pesticides and of the development of energy resources, and birth control research and population explosion/suppression. The effect of the demands for specialized knowledge made by technological society on the fragmentation of an individual's education will be explored.

First Semester. Professor Fink and Jonathan I. Landman '74.

**16. Why Do We Like What We Read?** Evaluating what we read. Why do we do it? How do we do it? How do others do it? And finally, is it worth doing? A close consideration of some poems, plays and short fiction. Strong emphasis on the student's subjective experience of the assigned readings as a basic datum of evaluation.

Professor Holdreith and Robert J. McCartney '75.

## AMERICAN STUDIES

Professors Greene†, Guttman†, Hawkins\*, Marx, Rozwenc, and Ward; Associate Professors Dizard and Levin (Chairman); Assistant Professors Buff, O'Connell, E. Ryerson, and Wills; Dean Behnke.

\* On leave 1973-74.

† On leave first semester 1973-74.

‡ On leave second semester 1973-74.

## AMHERST COLLEGE

American Studies is a program which searches for an understanding of the relations among institutions, ideas, and aesthetic forms within the American experience. By combining work in a number of the traditional scholarly disciplines, it aims to place the student in a position where he can see and can make some statements about these relations.

*Major Program.* A major in American Studies is expected to develop a program of courses and independent reading which will enable him to understand:

1. the main forces which have shaped American life throughout American history, including changes in political and social institutions, the forms of economic organization, the competing myths and ideologies, and responses to world politics which have developed in the American experience;
2. the classic writings and other creative efforts in the American intellectual tradition, including significant works in literature, art, philosophy, and political and social theory.

A major in American Studies will be required to take both terms of the introductory course (American Studies 11, 12) and to work out for himself a broad program of study. Such a program of study must include a primary emphasis on history and literature (at least two courses in each field), and a competent knowledge of at least one other field (at least two courses), viz., economics, political science, anthropology and sociology, philosophy, religion, art, or music.

Although enrollment in American Studies 11, 12 is not restricted, no more than thirty students from each class will be admitted to the major program in American Studies. To be eligible for admission to the major program, a student must take American Studies 11, 12, before the end of the sophomore year. All students who are accepted in the major program must take the Junior Seminar in American Civilization and the two Senior Tutorial courses listed in the departmental offerings. In conjunction with the senior tutorial courses, each student in a major program will write an original essay that develops a form of interdisciplinary inquiry which has been approved by the Department.

*Honors Program.* All students majoring in American Studies are required to take the five interdisciplinary courses (11, 12, 68, 77, and 78) offered by the Department. Recommendations for honors will be made at the end of the senior year after the completion of the senior essay.

**11, 12. An Introduction to American Civilization.** This course will explore the significant interrelations among politics, economic organization, literature, religion, art, etc. in selected moments of American history. The center of attention in the course will be the investigation of large cultural configurations in the American experience rather than a comprehensive historical treatment. Relevant problems of meaning and method in this kind of interdisciplinary inquiry will also be considered.

## AMERICAN STUDIES

In the first semester 1973-74, this course will consider America's search for identity as a new nation in the aftermath of the Revolution. We will examine this search through the literature, foreign policy, political struggles and racial attitudes in the years 1783-1830.

In the second semester, the topic will be the American working-class from World War One to the present. The course will examine the working-class family, problems of alienation and the work-place, and the present phenomena of blue-collar conservative populism and the changing meaning of the "work-ethic."

Elective for Freshmen. First and second semesters. The staff.

**The History of American Society.** See History 55.

First semester. Professor Rozwenc.

**The History of American Society.** See History 56.

Second semester. Professor Rozwenc.

**Seminar in Southern History.** See History 57s.

Limited to fifteen students. To alternate with History 67. Second semester. Omitted 1973-74. Professor Hawkins.

**The Progressive Generation.** See History 58.

Limited to fifteen students. Second semester. Omitted 1973-74. Professor Greene.

**America in the Sixties.** See History 59.

Admission by consent of the instructor. First semester. Professor Rozwenc.

**Radicals and Reformers in the New Deal Era.** See History 60.

Limited to fifteen students. Second semester. Professor Rozwenc.

**American Diplomatic History I.** See History 61.

First semester. Offered 1973-74 and alternate years. Professor Levin.

**American Diplomatic History II.** See History 62.

Second semester. Professor Levin.

**Conference Course in American Intellectual History.** See History 63.

Limited to fifteen students with permission of instructor. First semester. Professor Commager.

**Community and Individualism in Early America.** See History 65.

First semester. Professor Greene.

**Seminar in Educational History.** See History 66.

Limited to fifteen students. Second semester. Omitted 1973-74. Professor Hawkins.

**Race in American History.** See History 67.

Limited to twenty-five students. To alternate with History 57 (57s). First semester. Omitted 1973-74. Professor Hawkins.

AMHERST COLLEGE

**American Puritanism.** See English 61s.

Elective for Sophomores. Second semester. Omitted 1973-74.

**American Renaissance.** See English 62f.

Elective for Sophomores. First semester. Omitted 1973-74. Professor Guttman.

**Realism and Naturalism in American Literature.** See English 63s.

Elective for Sophomores. Second semester. Professor O'Connell.

**Visionary Writers in America.** See English 64f.

Elective for Sophomores. First semester. Professor Peterson.

**American Literature. Cosmopolitans and Provincials.** See English 65s.

Elective for Sophomores. Second semester. Omitted 1973-74. Professor Guttman.

**Race and Ethnicity in American Literature.** See English 66.

Elective for Sophomores. Second semester. Professor Guttman.

**American Writers, Politics, and The Environment.** See English 67.

Requisite: Enrollment in the Kenan Seminars 1, 2, or 3. Elective for Sophomores. Limited to fifty students. First semester. Professor Marx.

**American Writers, Politics, and The Environment.** A continuation of English 67. See English 68.

Requisite: English 67. Priority will be given to students enrolled in the Kenan Colloquium (See p. 200.). Elective for Sophomores. Limited to fifty students. Second semester. Professor Marx.

**Human Resources.** See Economics 21s.

Requisite: Economics 11. Limited to twenty-five students. Second semester. Professor Sears.

**The American Economy.** See Economics 24.

Requisite: Economics 11. Second semester. Professor Nelson.

**American Economic History.** See Economics 28.

Requisite: Economics 11. Second semester. Professor Fenoaltea.

**History of the American Theater.** See Dramatic Arts 25.

First semester. To be offered only once. Mr. Mager.

**Museum Seminar: American Art.** See Fine Arts 46.

Requisite: Art 11 or 11s, or permission of the instructor. Limited to twelve students. Second semester. Mr. Shepard.

**Topics in Philosophy.** See Philosophy 21.

Requisite: Permission of instructor. (Suggested: one philosophy course from Group I passed with at least a C). Elective for Freshmen. First semester. Professor Epstein.



## ANTHROPOLOGY AND SOCIOLOGY

**American Government.** See Political Science 21.

First semester. Professor Ziegler.

**Politics and Parties.** See Political Science 31.

First semester. Professor Arkes.

**American Constitutional Development.** See Political Science 41.

First Semester. Professor Latham.

**American Political Thought.** See Political Science 48.

Second semester. Omitted 1973-74. Professor Kateb.

**Religion in America.** See Religion 34.

Requisite: Religion 11 or consent of the instructor. Elective for Sophomores. Second semester. Professor Wills.

**American Social Structure.** See Sociology 12.

Elective for Freshmen. Second semester. Professor N. Birnbaum.

**68. Seminar in American Civilization.** An interdisciplinary investigation of selected aspects of American civilization.

Required of all junior majors in American Studies. One two-hour seminar weekly. Second semester. Professor Guttman.

**77. Senior Tutorial Course.** The preparation of a senior essay that develops a form of interdisciplinary inquiry in American civilization which has been approved by the Department.

Required of all senior majors. First semester.

**78. Senior Tutorial Course.** The preparation of a senior essay that develops a form of interdisciplinary inquiry in American civilization which has been approved by the Department.

Required of all senior majors. Second semester.

**97. Special Topics.** Independent Reading Course.

First semester.

**98. Special Topics.** Independent Reading Course.

Second semester.

## ANTHROPOLOGY AND SOCIOLOGY

Professors N. Birnbaum and Pitkin (Chairman); Associate Professor Dizard; Assistant Professors Babb\*, Buff, and Errington and Visiting Assistant Professor Beck.

\*On leave 1973-74.

## AMHERST COLLEGE

The Anthropology and Sociology program is designed to complement the work of the other disciplines in the social sciences by bringing to bear the specific resources of each discipline upon the understanding of man and woman in society and culture. Emphasis is placed upon traditional as well as upon modern societies and upon people in the past as well as in the present.

*Major Program:* Students majoring in the department will be able to emphasize either an anthropology or sociology curriculum. In the first instance students will normally take (although not necessarily in this order) Sociology 11 or 12, Anthropology 11, 12 and 71 (71s), and four additional courses approved by the department. Candidates for degrees with honors will include Anthropology 77, 78.

Those who pursue a sociology curriculum will normally take Anthropology 11 or 12, Sociology 11, 12 and 71 (71s), and four additional courses approved by the department. Candidates for degrees with honors will include, as seniors, Sociology 77, 78.

Interdepartmental majors in combination with a number of other fields may be arranged for honors candidates.

## Anthropology

**11. The Evolution of Culture.** An analysis of culture in evolutionary perspective, regarding it as the distinctive adaptive mode of humanity.

Elective for Freshmen. First semester. Professor Pitkin.

**12. Social Anthropology.** An examination of theory and method in social anthropology as applied in the analysis of specific societies. The course will focus on case studies of societies from different ethnographic areas.

Elective for Freshmen. Second semester. Professor Beck.

**21. Indian Civilization.** A general survey of Indian civilization together with comparative materials from other areas of South and Southeast Asia.

Elective for Sophomores. First semester. Omitted 1973-74. Professor Babb.

**23. History of Anthropological Thought.** An examination of the development of the anthropological tradition from the late nineteenth century to the present. Readings will be drawn from the works of key figures in the development of American, British and French anthropology.

Elective for Sophomores. First semester. Omitted 1973-74. Professor Babb.

**25. Peoples and Cultures of the Middle East.** An ethnographic survey of peoples and cultures of North Africa and Southwest Asia, with emphasis on their social, political, economic, and religious systems. Special consideration will be given to nomadic pastoralism and environmental adaptation.

## ANTHROPOLOGY AND SOCIOLOGY

Elective for Sophomores. First semester. To be offered only once. Professor Beck.

**27. Kinship and Social Organization.** An introduction to the study of social organizations with reference to kinship systems, marriage patterns, and family structure. Emphasis will be placed on theoretical considerations and their application to the analysis of small-scale societies.

Elective for Sophomores. To be offered only once. First semester. Professor Beck.

**31s. Anthropological Approaches to the Study of Religion.** An examination of anthropological inquiry into the ways that religion images and creates cultural reality.

Elective for Sophomores. Second semester. Professor Errington.

**32. Sex Roles.** A cross-cultural study of sexual roles in society.

Elective for Sophomores. Second semester. To be offered only once. Professor Beck.

**34. Peoples of Africa.** A general survey of Subsaharan ethnography, including a final section on modern political developments.

Elective for Sophomores. Second semester. Omitted 1973-74. Professor Babb.

**36. Culture and Personality.** An examination of theoretical and methodological issues concerning the relationship between personality and culture. One two-hour seminar per week.

Elective for Seniors by consent of the instructor. Second semester. Professor Pitkin.

**40. Anthropological Theory: Symbolism.** An examination of how symbols both reflect and form a culture's experience of its world. Authors will include Freud, Jung, Lévi-Strauss, Mary Douglas, Victor Turner and Clifford Geertz. One two-hour seminar each week.

Elective for Juniors by consent of the instructor. Second semester. Professor Errington.

**41. Non-Western Views of Person, Time and Reality.** An analysis of various views of time, person and reality as presented in non-Western autobiographies, theories of madness, and millenarian movements. One two-hour seminar each week.

Elective for Juniors by consent of the instructor. First semester. Professor Errington.

**Colloquium in South Asian Literature.** See Colloquia, p. 199.

Requisite: Anthropology 21 or its equivalent. Elective for Juniors with the consent of the instructors. Limited to fifteen students. Second semester. Omitted 1973-74. Professors Babb and Peppard.

## AMHERST COLLEGE

**71s. Senior Seminar.** A consideration of current issues in anthropological and sociological theory. Required of all seniors in anthropology and sociology. Others by consent of the instructor only.

Second semester. Professors Birnbaum and Pitkin.

**77, 78. Honors Course.**

First and second semesters. The Department.

**97, H97. Special Topics.** Independent Reading Courses. Full or half course.

First semester. The Department.

**98, H98. Special Topics.** Independent Reading Courses. Full or half course.

Second semester. The Department.

## Sociology

**11. Introduction to Sociology.** An introduction to the nature of sociological inquiry through the works of classical and contemporary theorists such as Marx, Weber, Durkheim, Simmel, G. H. Mead, C. Wright Mills, and Goffman; and through an analysis of some of the best empirical studies such as *The Urban Villagers* and *Tally's Corner*.

Elective for Freshmen. First semester. Professor Buff.

**12. American Social Structure.** A consideration of some of the present conflicts of American society. The themes to be treated are: capitalism as a social system, the domestic incidence of imperialism, the problem of a national culture, changes in the labor force, the structure of the technobureaucratic elite, possibilities of a new politics.

Elective for Freshmen. Second semester. Professor Birnbaum.

**20f. The Sociology of Intellectual Life.** An examination of the relationships of knowledge to power. Some of the classical texts on the problem will be read, and a number of historical examples considered; the role of the Philosophies in European society, the relationship of the intellectuals to the socialist movement, the emergence of technocratic elites. Some attention will be given to the present problems of the university.

Elective for Freshmen. First semester. Omitted 1973-74. Professor Birnbaum.

**21. Race and Ethnic Relations.** A detailed analysis of race and ethnic relations in American society with focus on the experience of several major ethnic groups in addition to a comprehensive examination of the Negro in America. Issues to be dealt with will include racism, assimilation, ethnic identity, and black culture.

Elective for Juniors and Seniors. First semester. Professor Dizard.



## ANTHROPOLOGY AND SOCIOLOGY

**Colloquium in the Nature of Deviancy.** See Colloquia, p. 198.

Elective for Freshmen. First semester. Professors Buff, Errington, Pitkin, and Tiersky.

**23s. Field Methods in Sociology.** The place of field work among other research methods; aims and special contributions. The strategy and problems of field work—especially participant observation: establishing a role, the use of informants and respondents, maintaining rapport, interviewing, recording field notes, concept formation, drawing inferences and corroborating them, working in organizations and foreign cultures, developing theory and ethical issues. The course will also briefly explore similarities and differences between the craft of the sociologist and that of the film maker or novelist in dealing with direct observations of human experience and action. Students will be expected to gain sustained field work experience on a collective project in an urban area.

Consent of the instructor required. Limited to fifteen students. Second semester. Professor Buff.

**Sociology of Religion.** See Religion 24.

Requisite: Sociology 11 or Religion 11 or consent of the instructor. Second semester. Omitted 1973–74. Professors Birnbaum and Mudge.

**25. Modern Social Theories.** An examination of some of the major tendencies in social theory since the First World War and the Russian Revolution. Among these will be American behaviorism and empiricism; Marxism in its orthodox and critical variants; existentialism, phenomenology and psychoanalysis; functionalism and structuralism; conservatism and technocratic thought. The course will emphasize the combined influences of philosophical assumption and political engagement in the construction of social theory, as well as the effect of historical experience on reflection.

Requisite: Either Anthropology 11 or Sociology 11, or Political Science 28 or 49, or History 38, or Philosophy 19. First semester. Professor Birnbaum.

**26. The Working Class in American Society.** Major facets in the life of the American worker: the family, the worlds of youth and education, work and leisure, sex, marriage and the family, physical and mental health. The formation of working class values, perspectives and ideologies. The relationship of the working class to other classes and institutions. Analysis of embourgeoisement, authoritarianism, the direction of working class politics and culture, and the effects of recent social changes on the working class (the Indo-China War, the civil rights and youth movements, and the recession.) Some historical and comparative readings.

Second semester. Omitted 1973–74. See American Studies 12. Professor Buff.

**30f. Social Change.** An examination of classical and contemporary treatments of change. The sources of change and the phenomenon of social

## AMHERST COLLEGE

conflict. Orderly and revolutionary change. The role of the intellectual and ideology. The problems of analyzing modernization and economic development.

Requisite: Anthropology 11, or Sociology 11 or 12. Elective for Juniors. First semester. Professor Dizard.

**31s. Karl Marx.** An examination of the sources and development of the thought of Karl Marx. Reading in the original texts. Current interpretations of Marx. Marxism and the contemporary social sciences.

Second semester. Omitted 1973-74. Professor Birnbaum.

**32. The Sociology of Professions.** What distinguishes the professions from other careers? How do professions emerge and become institutionalized? After treating broad questions such as these, we will focus on selected professions, especially medicine and law, in order to examine in detail the dynamics of professional training, the relationships between professionals and those they serve, the development of professional ideologies, and related themes. We shall also explore the bases of recurrent suspicion of and hostility toward experts and professionals. Finally, we will examine professionals in light of "new working class" theory.

Requisite: Sociology 11 or 12, or consent of the instructor. Elective for Juniors and Seniors. Second semester. Professor Dizard.

**41. The Sociology of Culture.** An inquiry into the viability of high culture, understood as constituted by the philosophical assumptions, thought structures and aesthetic sensibilities of the western intellectual elite since the medieval period. High culture will be compared with traditional culture, popular culture, mass culture. The social contexts of cultural production will be examined, and the problems of a possible democratization of high culture considered. The reading will include works by Matthew Arnold, Walter Benjamin, Pierre Francastel, Sigmund Freud, André Malraux, Jean-Jacques Rousseau, Susan Sontag, Lionel Trilling, Raymond Williams.

Permission of the instructor required. Limited to twenty students. First semester. Omitted 1973-74. Professor Birnbaum.

**Language and Society.** See English 71.

Limited to fifteen Amherst students, with up to seven admitted from other colleges. First semester. Professor Bruss.

**71s. Senior Seminar.** A consideration of current issues in anthropological and sociological theory. Required of all seniors in anthropology and sociology. Others by consent of the instructor only.

Second semester. Professors Birnbaum and Pitkin.

**77, 78 Honors Course.** First and second semesters. The Department.

**97, H97, 98, H98.** Independent reading courses. Full or half course. First and second semesters. The Department.

Asian Studies. See page 196.

## ASTRONOMY

Professors Harrison (Chairman), Huguenin, Irvine\*, Seitter, and Strong; Associate Professors Army, Dent, Manchester, and Taylor; Assistant Professors Dennis, C. Gordon, K. Gordon, Greenstein, O'Leary, Tadamaru, and Van Blerkom.

A joint Astronomy Department provides instruction at Amherst, Hampshire, Mount Holyoke and Smith Colleges and the University of Massachusetts. Introductory courses are taught separately at each of the five institutions; advanced courses are taught jointly. ASTFC indicates courses offered by the Five College Astronomy Department. These courses are listed in the catalogs of all the institutions.

Two alternative programs are available leading to a degree in astronomy. The honors program is designed to meet the needs of the student who wishes to prepare for graduate work in astronomy or astrophysics, or who wishes a combined honors program with mathematics or physics. The *rite* major is available to the student who wishes to study astronomy largely for its cultural values or as the basis of a broad science background which might lead to a career in teaching, scientific journalism, or related fields.

The facilities of all five institutions are available to departmental majors. (See description under Astronomy 77, 78.) Should the needs of a thesis project so dictate, the Department may arrange to obtain special materials from other observatories.

*Major Program:* The minimum requirements for the *rite* major are Astronomy 22, 73, 74, and two courses from 37, 38, 43 and 44; Mathematics 11, 12 and 21; Physics 13, 14, 23, and at least one additional physics course.

A student who considers majoring in astronomy should consult with the Department as early as possible in his college career. Honors students should complete Mathematics 12 and Physics 13 before the start of the sophomore year.

An appropriate program for the student who achieves advanced placement in physics or astronomy will be devised on an individual basis, in consultation with the Department.

*Honors Program.* Minimum Requirements: Astronomy 22, 37 or 38, 43, 44, 77, and 78. Mathematics 11, 12 and 21; Physics 13, 14, 23, 26, 27, 36 and 58.

\*On leave 1973-74.



## AMHERST COLLEGE

In exceptional cases Astronomy 11 may be substituted for Astronomy 22 in either the *rite* or honors program.

**11. Introduction to Modern Astronomy.** A course designed primarily for students not majoring in the physical sciences. The properties of the astronomical universe and the methods by which astronomers investigate it are discussed. Topics include the nature and properties of stars, our Galaxy, external galaxies, cosmology, the origin and character of the solar system, and pulsars. Three one-hour lectures per week.

Elective for Freshmen. First semester. Professor Greenstein.

**Intelligent Life in the Universe.** See *Colloquia*, p. 197.

Requisite: Permission of the instructors. Enrollment limited. Second semester. Omitted 1973-74. Professors Greenstein and Zimmerman.

**20. Cosmology.** The course will examine the origin, evolution, and structure of the universe. To be given at Mount Holyoke College.

Requisite: One year of calculus and one year of some science; no astronomy prerequisite. Second semester. Professor Greenstein.

**22f. Introduction to Astronomy and Astrophysics.** For astronomy majors or others interested in a quantitative introductory course. A description of our present knowledge of the universe and the means by which this knowledge has been obtained. The course considers the properties of the solar system, individual and multiple stars, interstellar matter, our galactic system and external galaxies. Two ninety-minute lectures and one two-hour laboratory per week. Same course as ASTFC 22.

Requisite: Physics 13 and 14. (Physics 14 may be taken concurrently.) Not open to students who have completed Astronomy 11. Elective for Sophomores. First semester. Professor Manchester.

**22. Introduction to Astronomy and Astrophysics.** Same description as Astronomy 22f. Second semester.

**31. Topics of Current Astronomical Research.** A discussion of selected topics from current astronomical research, intended primarily for non-science majors. Topics may include the aims and results of space research and exploration, recent developments in stellar evolution, cosmology, and current research in radio astronomy. No mathematical preparation beyond algebra and elementary trigonometry is required. Two ninety-minute lectures per week. Same course as ASTFC 31.

Requisite: Astronomy 11 or 22. Elective for Sophomores. First semester. Professor O'Leary.

**34. Development of Astronomy.** The progress of astronomy is traced from prehistoric petroglyphs to the space age. Emphasis is placed upon the development of important ideas in the field and upon the relation of astronomy



## ASTRONOMY

to other cultural trends. Supplemented by occasional use of the planetarium and the departmental telescopes. Two ninety-minute lectures per week. Same course as ASTFC 34.

Requisite: Astronomy 11 or 22. Elective for Freshmen. Second semester. Professor Seitter.

**37. Astronomical Observation.** An introduction to the techniques of gathering and analyzing astronomical data. Subjects to be covered depend somewhat on individual interests: photography, calibration of photographs; photometry; spectroscopy and classification of spectra; determination of stellar temperatures, masses and radii; introduction to telescope design and use; the astronomical distance scale. Two ninety-minute lectures and one two-hour laboratory per week. Same course as ASTF 37.

Requisite: Astronomy 11 or 22 and Physics 14. Elective for Sophomores. First semester. Professor Strong.

**38. Techniques of Modern Astronomy.** An introduction to modern methods of astronomical observation and data reduction. Specific techniques of optical astronomy, radio astronomy, and space astronomy will be discussed and analyzed. Laboratory experiments and field observations will also be performed by students during the semester. Same course as ASTFC 38.

Requisite: Physics 14. Elective for Sophomores. Second semester. Professor Huguenin.

**43. Astrophysics I.** Basic topics in astrophysics. Equilibrium configurations and the physical state of stellar interiors. Polytrope models. Interaction of radiation and matter, and radiative transfer. Radiative and convective equilibrium. Study of opacity. Two ninety-minute lectures per week. Same course as ASTFC 43.

Requisite: Physics 27 or permission of instructor. Elective for Juniors. First semester. Professor Harrison.

**44. Astrophysics II.** Continuation of basic topics in astrophysics. Nuclear energy sources. Stellar atmospheres and limb darkening. Electron degenerate configurations. Star formation. Introduction to simple model building. Stellar evolution. Elementary plasma physics. Two ninety-minute lectures per week. Same course as ASTFC 44.

Requisite: Astronomy 43. Elective for Juniors. Second semester. Professor Harrison.

**73, 74. Reading Course.** Required of *rite* majors. Students electing this course will be required to do extensive reading in the areas of astronomy and space science. Two term papers will be prepared during the year on topics acceptable to the Department.

Elective for Seniors. First and second semesters. The Department.

## AMHERST COLLEGE

**77, 78. Senior Honors.** Opportunities for theoretical and observational work on the frontiers of science are available in cosmology, cosmogony, radio astronomy, planetary atmospheres, relativistic astrophysics, laboratory astrophysics, gravitational theory, infrared balloon astronomy, stellar astrophysics, spectroscopy, and exobiology. Facilities include the Five College Radio Astronomy Observatory, the Laboratory for Infrared Astrophysics, balloon astronomy equipment (16-inch telescope, cryogenic detectors), and modern 24- and 16-inch Cassegrain reflectors. An honors candidate must submit an acceptable thesis and pass an oral examination. The oral examination will consider the subject matter of the thesis and other areas of astronomy specifically discussed in astronomy courses.

Elective for Seniors. Required of honors students. First and second semesters. The Department.

## BIOLOGY

Professors Brower\*, Hexter, Leadbetter, and Yost (Chairman); Associate Professor Zimmerman\*; Assistant Professors Fisher, George, Godchaux, Gourley, and Karfunkel; Dr. Ives.

*Major Program.* The major in biology consists of at least six courses in biology, of which four must be laboratory courses. In addition, one semester each of mathematics and physics, and chemistry through Chemistry 21 are required. Honors candidates must elect, in addition to the extradepartmental requirements, eight courses in biology, four of which must be laboratory courses and three of which must be Biology 77-78. Specific requirements may be modified with the approval of the department. Each student will be assigned two advisers and will construct his own major program in consultation with them. An attempt should be made to insure a broad perspective in biology. Courses having numbers in the teens will not count toward the major without special approval by the department. Students intending to major in biology should take the necessary background courses in mathematics, physics, and chemistry as early as possible.

All majors must take a comprehensive examination during the senior year. The examination may be oral, written, or a combination of both, as determined by the department. It will center on those areas of biology included in the student's major program.

*Honors Program.* Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent

\*On leave 1973-74.

## BIOLOGY

preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science.

The work for Honors consists of two main activities: (a) an original investigation under the direction of some member of the staff, and (b) participation in a seminar in which the candidate reports on recent literature dealing with current scientific investigations.

*Courses for Non-science Students.* The courses numbered in the teens are designed for students who are not majoring in the sciences and for those not majoring in biology in particular. These courses are intended to introduce students to the subject matter of the biological sciences, with emphasis on scientific methodology and on man's place in nature. Although these courses may be elected by any student, they do not normally satisfy the major in biology nor are they recommended as a means of satisfying the admissions requirements of medical schools.

**Colloquium in Modern Experimental Science.** See *Colloquia*, p. 197.

Requisite: Permission of the course chairman. Elective for Juniors and Seniors who have completed at least three semester courses toward a major in biology, chemistry, geology or physics. Limited to fifteen students. Second semester. Professors Benson (Chairman), Brophy, Fisher, Godchaux, Hove, Tinker, Valberg, and Waggoner.

**13. Evolution of Man and of Human Nature.** Biological principles are illustrated by and used in the analysis of such questions as: how did man's structure, intelligence and behavior evolve; how do we disentangle the hereditary and environmental contributions to these traits; can our perceptions, behavior and intelligence now be understood in terms of the workings of a complex kind of machine, the brain; how do the answers to these questions bear on matters of ethics and our evolutionary future? Three hours of lecture and discussion per week.

Elective for Freshmen. First semester. Omitted 1973-74. Professor Zimmerman.

**14. Human Ecology.** Diverse observations on the human species will be integrated into the conceptual framework generated by modern ecosystem biology. The course will emphasize population dynamics and control; food resources, and energy production and consumption; economic and social aspects of development and conservation; and causes and effects of ecosystem perturbation. Three classroom hours and two hours of laboratory or seminar work per week.

Elective for Freshmen. Second semester. Omitted 1973-74. Professor Fisher.

**15. The Biology of Disease.** Consideration of a number of significant diseases. The intention is to start with a description of a condition, then to



## AMHERST COLLEGE

extend discussion of its etiology and effects as far toward the molecular level as knowledge permits. Discussion will then be extended in the other direction to consider the genetic and environmental aspects of the disease and its impact on society. Three hours of lecture and discussion per week.

Elective for Freshmen. First semester. Professor Godchaux.

**18. Human Genetics: Science and Society.** The course will have two objectives: (1) to introduce the facts and techniques of the genetics of man including cytogenetics, inborn errors of metabolism, population genetics, mutation, and selection; (2) to use this information as the basis of a discussion of science and society including the ethics of genetic engineering, the responsibility of a scientist for his discoveries, and the relationship of science and scientists to social problems. One seminar meeting per week.

Elective for Freshmen. Limited to two sections of fifteen students each. Second semester. Professor Hexter.

**Intelligent Life in the Universe.** See *Colloquia*, p. 197.

Requisite: Permission of the instructors. Enrollment limited. Second semester. Omitted 1973-74. Professors Greenstein and Zimmerman.

**The Natural Science of the Human Organism.** See *Colloquia*, p. 198.

Requisite: Satisfactory performance in a previous college-level natural science course. Physics 13 and 14 are strongly recommended for an in-depth approach to the subject. Alternate qualifications such as a high-school physics, chemistry, or biology course should be discussed with the instructors. First semester. Omitted 1973-74. Professors Karfunkel and Valberg.

**20. Laboratory Investigation.** Experimental analysis of comparative biochemistry or microbial ecology. Topics will vary from year to year. The biological significance and interrelationships of the problems will be discussed in seminars, as will also relevant primary literature. Six-eight hours of laboratory and seminar work per week.

Requisite: Advanced placement, or college chemistry or biology, and consent of the instructor. Limited enrollment. Restricted to Freshmen and Sophomores. Second semester. Professor Leadbetter.

**21. Genetics.** A study of the basic facts of heredity, an analysis of cellular structure, and a consideration of the various hypotheses for the action of genes in the control of cellular and multi-cellular processes. Four classroom hours and four hours of laboratory work per week.

Requisite: Concurrent registration in Chemistry 11 or equivalent. Freshmen and Five College students may elect if enrollment permits. Limited to four sections of twenty-four students each. First semester. Professors Hexter and Yost.

**22. Developmental Biology.** A study of the development of animals, leading to the formulation of the principles of development, and including an



## BIOLOGY

introduction to experimental embryology and developmental physiology. Four classroom hours and four hours of laboratory per week.

Elective for Sophomores. Freshmen may elect the course with the consent of the instructor. Limited to three sections of twenty-four students each. Second semester. Professor Karfunkel.

**23. Ecology.** A study of the relationships of plants and animals (including man) to each other and to their total environment. General principles will be illustrated by lectures, selected films, computer simulations, laboratory, and field work, including an aerial reconnaissance flight. Three classroom hours and four hours of laboratory or field work per week.

Elective for Sophomores. Limited to thirty-six students. Freshmen may elect the course with the consent of the instructor. First semester. Professor Gourley.

**24. Diversity in Biological Systems.** A modern natural history, the course will present a comparative survey of adaptive strategies in animals and plants throughout the world. Three classroom hours and four hours laboratory or field work per week.

Elective for Sophomores. Limited to thirty-six students. Second semester. Omitted 1973-74. Professor Brower.

**26. Physiology.** Function and regulation in biological tissues, organs, and organ systems. How organisms regulate and digest food intake, control ion and water content, circulate fluids, exchange gases, respond to temperature changes, receive and respond to sensory stimuli, and organize defenses against foreign substances. How these activities are regulated by the nervous system and by hormonal controls. Three classroom hours and four hours of laboratory work per week.

Requisite: Chemistry 11. Elective for Sophomores. Second semester. Professor George.

**30. Biochemistry.** A study of the structure and function of biologically important molecules and their role(s) in life processes. Four classroom hours and four hours of laboratory work per week. Offered jointly by the Departments of Biology and Chemistry.

Requisite: One semester of organic chemistry and one semester of biology. The biology requirement may be waived for chemistry majors. Second semester. Professors Godchaux and Waggoner.

**31. Microbiology.** A study of the ecology and physiology of microorganisms. Three classroom hours and four hours of laboratory work per week.

Elective for Sophomores. Freshmen may elect the course with the consent of the instructor. First semester. Professor Leadbetter.

**32. Evolutionary Biology.** A broad examination of functional and historical explanation in the biological sciences. The topics covered include: the

## AMHERST COLLEGE

history of evolutionary ideas and natural selection; the genetics of individuals and populations; analysis of rates, patterns, and direction of evolution as indicated by the fossil record; the origin of life and the evolution of genes, proteins and cellular particulates; biochemical and physiological adaptations; evolutionary aspects of behavior and development; and the origin of man. Four classroom hours and four hours of laboratory work per week.

Requisite: Biology 21. Elective for Juniors, or for Sophomores with the consent of the instructor. Second semester. Omitted 1973-74. Professor Zimmerman.

**33. Aquatic Ecosystems.** An integration of physical, chemical, and biological aspects of lakes and streams designed to engender a synthetic view of the dynamics of aquatic ecosystems. Emphasis will be placed on nutrient cycling, energy flow, systems interactions and disturbance effects. Three classroom hours and four hours of laboratory work per week.

Requisite: One semester of biology and permission of the instructor. Biology 23 is recommended. Elective for Juniors. Sophomores may elect the course with the consent of the instructor. First semester. Professor Fisher.

**35. Neurobiology.** Nervous system function at the cellular and subcellular level. Ionic mechanisms underlying electrical activity in nerve cells; the physiology of synapses; transduction and integration of sensory information; the analysis of nerve circuits; the specification of neuronal connections; trophic and plastic properties of nerve cells; and the relation of neuronal activity to behavior. Three classroom hours and four hours of laboratory work per week.

Requisite: Chemistry 11, Physics 14, and one semester of biology. Elective for Juniors. Limited to twenty-four students. First semester. Professor George.

**41. Advanced Developmental Biology.** An analysis of current views of the development of plants and animals at the cellular and biochemical levels, with special attention to the genetic control of embryonic differentiation and to cellular interaction in morphogenesis. Three classroom hours and four hours laboratory per week.

Requisite: Biology 22. Elective for Juniors. Limited to twelve students. First semester. Professor Karfunkel.

**42. Advanced Ecosystem Biology.** An advanced treatment of ecosystem structure and function synthesized from traditional fields of plant and animal, terrestrial, freshwater, and marine ecology. Productivity, modeling, control mechanisms, and general system theory applications will be emphasized. Three classroom hours and four hours of field and laboratory work per week.

Requisite: Biology 33 or written consent of the instructor. Elective for Juniors. Offered in alternate years. Not offered 1973-74. Second semester. Professor Fisher.

## BIOPHYSICS

**51s. Seminar: Topics in Comparative Biochemistry.** Topics will vary from year to year but will be represented by the following: photosynthesis, biosynthesis of unusual compounds, cellular and colonial morphogenesis, regulatory mechanisms, the biology of viruses. One seminar meeting per week.

**Requisite:** Biology 30 or 31 or consent of the instructor. Elective for Juniors. Limited to fifteen students. Second semester. Professor Leadbetter.

**52. Seminar in Genetics.** Topics will vary from year to year. This year the topic will be an examination of the problem of differential expression of gene activity in viral, microbial, and eukaryotic systems. Three classroom hours per week.

**Requisite:** Biology 21 and the consent of the instructor. Elective for Juniors. Limited to fifteen students. Second semester. Omitted 1973-74. Professors Hexter and Yost.

**53. Seminar in Molecular Biology.** A study of the relationship of structure to function at the subcellular level, with emphasis on molecular mechanism. Coverage will be flexible within the area of the molecular biology of eukaryotes. Past topics have included biosynthesis and its regulation, transport, and cellular function of the major classes of biological macromolecules. Three hours of classroom work per week, plus individual laboratory projects. The laboratory is optional for students enrolled in Biology 77.

**Requisite:** Biology 30. Elective for Juniors. First semester. Professor Godchaux.

**77, D78. Biology Honors.** All honors students will take these three courses. The work consists of seminar programs and individual research projects.

Elective for Seniors. First and second semesters. The Staff.

**97, H97, 98, H98. Special Topics.** Independent Reading or Research Courses. Half or full course, as arranged.

First and second semesters.

## BIOPHYSICS

*Advisory Committee:* Professors Kropf (Chairman), Romer\*, and Yost.

A student may receive the B.A. degree from Amherst with an interdepartmental major in biophysics. This program is designed for those few capable students who either wish the breadth of experience this program provides or

\*On leave 1973-74.

## AMHERST COLLEGE

who wish to prepare for graduate study. The major is organized around course offerings of the various science departments whose disciplines are fundamental to work in biophysics.

*Major Program.* Each student, in consultation with the Chairman of the advisory committee, will construct a program which will provide for a basic grounding in biology, chemistry and physics with supporting work in mathematics. The courses selected will introduce the student to each of the sciences basic to biophysics, and in addition should enable him to reach a sufficient level of sophistication in the basic sciences so as to understand current problems in biophysics. A typical program would be:

Physics: 13, 14 and two more advanced courses.

Chemistry: 11, 12 and several more courses in physical, organic and biochemistry.

Mathematics: 11, 12 and some more advanced work in calculus and differential equations.

Biology: 21 and other work in molecular biology.

All biophysics majors are expected to attend the biophysics seminar, where topics of current interest in biophysics are discussed. It is important that a prospective biophysics major consult with the biophysics advisor early in his academic career in order to determine his course selections and prospective seminar and honors work.

*Honors Program.* Candidates for the degree with honors should elect Biophysics 77 and D78 in addition to the above program. An honors candidate may choose to do his senior honors work with any faculty member from the various science departments who is willing to direct relevant thesis work. The comprehensive examination will be administered by members of the advisory committee.

**77, D78. Biophysics Honors.** The work consists of a seminar dealing with problems of current interest in biophysics and the preparation of a thesis based upon an individual investigation under the direction of a faculty member.

Full course first semester. Double course second semester. The Committee.

**97, H97, 98, H98. Special Topics. Independent Reading.** Full or half course. First and second semesters.

## BLACK STUDIES

Professor Davis (Chairman) and Visiting Distinguished Professor B. Matthews; Associate Professor Sanchez; Assistant Professor Cole; and Visiting Lecturer Seshibi.



## BLACK STUDIES

Black Studies is an interdisciplinary program drawn from offerings at the Five Colleges into a cohesive program that emphasizes the development, experience, and achievements of black peoples in the United States, the Caribbean, and Africa. It is designed to broaden the student's knowledge about the black experience while preparing him to meet requirements for careers in various fields of employment or graduate work in Black and/or African Studies. A list of other appropriate courses offered under Five College Afro-American Studies at Hampshire, Smith, and Mount Holyoke Colleges and the University of Massachusetts is available in the Registrar's Office.

*Major Program.* A major in Black Studies consists of ten courses. Of these, Black Studies 11, which is to be taken in the freshman or sophomore year; Black Studies 50, to be taken no later than the sophomore year, and a senior seminar are required. The other seven courses may include Black Studies 62, one or two semester courses of research culminating in a major paper; other departmental offerings; and Black Studies courses offered in the other four institutions in the Valley. All Black Studies majors are advised to select a comparative theme (e.g. African, Afro-American, and Afro-Brazilian History, Literature, or Biography) and to pursue independent research in an area which relates to the substantive concerns of this theme.

A major may also expect, with the consent of the department chairman, to be able to spend one semester at another educational institution in the spring semester of his sophomore year or during his junior year.

*Honors Program.* The Black Studies honors program consists of two or three semester courses of independent research with a maximum total of three research courses spread throughout the junior and senior years, or a junior year abroad (Africa, Caribbean, or Brazil) may be substituted for them. Any Black Studies major who wishes to be considered for the degree with honors, must present an honors thesis centering on a topic which he has worked on during his research courses or abroad.

**11. An Introduction to Black Studies.** An interdisciplinary investigation of the development, experience and achievements of black peoples in Africa and the Americas. This course will involve an analytical assessment of the growth of the phenomena of "African Personality" and of "Black Identity" in Africa and America, respectively. These will then be incorporated within or compared to the concept of "Negritude," the trans-Atlantic ethnic and cultural idea which, by accentuating their common heritage, binds Africans and people of African descent together.

First semester. Professors Cole, Davis and Sanchez.

**16. Theories and Methods in Black Studies.** A critical and analytical assessment of the major social and political thought of black intellectuals in the

## AMHERST COLLEGE

United States, Africa, and Brazil. Analysis of the historical and cultural context, with in-depth analysis of major black thinkers.

Second semester. Professors Davis and Sanchez.

**23. World Music.** An investigation of some intrinsic musical cultures, including tribal, folk and art music. Musical forms, instruments and aesthetics are scrutinized, emphasizing the position of music in each culture. Artists and scholars from various cultures will present lectures and public concerts as part of the course. The first semester will deal with Indian-American music and that of the Pacific Islands, Indonesia, Japan, China, Korea, and Southeast Asia.

Requisite: Music 11 or the consent of the instructor. First semester. Professor Cole.

**24. World Music.** A continuation of Music 23. The course will treat the music of India (North and South), Middle Asia, and Africa, as well as European Folk and African-American music.

Requisite: Music 11 or Music 23, or the consent of the instructor. Second semester. Professor Cole.

**35. Black Literature I.** A survey of Afro-American poetry, drama, fiction and non-fiction from slave days to the end of the Harlem Renaissance. The emphasis is two-fold: (a) the relationship of Afro-American literature to the continuing struggle for black political and economic power; (b) the pervasive influence of African oral traditions and Afro-American folk culture (folklore, spirituals, blues, jazz, sermons and dialect) on Afro-American literature. Readings will include the works of Charles Waddell Chesnutt, Paul Laurence Dunbar, Jean Toomer, Booker T. Washington, W. E. B. DuBois and Langston Hughes.

First semester. Professor Sanchez.

**36. Black Literature II.** Same description as Black Studies 35.

Second semester. Professor Sanchez.

**50. African Elements in Brazil, Latin America and the Caribbean.** A survey of the impact of African cultural elements in these areas. Emphasis is placed on African eschatological ideas; religious, philosophical and ethical notions; ideas of secret societies and their impact on the family, church, music, and language. Consideration will also be given to the social, political, and economic life in the respective areas. Much of the reading will be taken from Portuguese works translated into English and, where relevant, from French. A paper will be required.

Second semester. Professor Davis.

**51. African Nationalism.** The course will be concerned with traditional and ideological factors in African nationalism. The first part will examine Inde-

## BLACK STUDIES

pendent Church ideas: Ethiopianism, Zionism, Messianism, in the light of actual patterns of conduct in West, Central and South Africa. The second part will devote special attention to an assessment of political ideas as stated by a number of Africans in the nineteenth and twentieth centuries. Their relation to the evolution of African political parties and the emergence of independent states will also be considered. The course will be built around such concepts as "the political leader as a representative of a culture."

First semester. Professor Davis.

**52. Seminar in the Music of John Coltrane.** An in-depth study of the style and contribution of John Coltrane to African-American music. Beginning with his first recording dates as a sideman in 1949 and continuing through to his death in 1967. Recordings, interviews, and criticisms will be used extensively to determine why Coltrane became the leading voice in African-American music. A knowledge of the technical aspects of music (notation, transcription, etc.) is required.

Requisite: Consent of the instructor. Limited to ten students. Second semester. Professor Cole.

**55. Topics in Afro-American History. Black Religion in America.** An examination of selected issues in the intellectual, institutional, and social history of black religion in America. Topic for 1973: the response of the black church to the religious and racial crises of the period 1880 to 1915. Through a case study of the A.M.E. Church, the course will examine black religious thought (response to Darwinism and Biblical criticism, early forms of black theology), patterns of church life (debates over democracy within the church and the persistence of enthusiastic forms of worship), and types of social criticism and protest (critiques of imperialism, assessments of Booker T. Washington, responses to the labor and women's rights movements). Attention will be given to contrasting styles of church and race leadership exemplified by such figures as Daniel A. Payne, Henry McNeal Turner, and Reverdy C. Ransom.

Elective for Juniors. First semester. Professor Wills.

**62. Introduction to Black Religion and Cognition in Africa and the Americas.** An introduction to the main elements of African religion and cognition and to their role in the family, clan and tribe. Consideration will be given to variant cosmologies (Zulu, Yoruba, Fons, Ethiopian). Africanized Islamic elements will also be considered. The course also involves an in-depth study of the expression of black consciousness—the Black Is Beautiful theme—in music, art, drama, politics, and business. The effect of black consciousness on the increasing currents of militancy and the struggle for dignity in America. One two and one-half hour session per week.

Elective for Sophomores and Juniors. Second semester. Professor Matthews.

AMHERST COLLEGE

**63. Comparative Slave Systems in Africa and the Americas.** This course will focus upon the distinction between "slave-trade" and "slavery" in Africa, the anatomy of African slavery systems and their relation to community. It will also explore some of the major differences between slavery in Africa with that of the New World. The emphasis is on giving the student some understanding in depth of the variations between slave systems and their relation to the economic, religious and cultural situations confronting people of African ancestry. (To alternate with History 69.)

First semester. Professor Davis.

**65. Economic Problems for Emerging African States.**

First semester. Omitted 1973-74. The Department.

**66. Development of Black Business and Financial Institutions.** Current problems of Afro-Americans in urban communities.

Second semester. The Department.

**67. Patterns of Black Politics.**

First semester. The Department.

**69. Introduction to Swahili.** This course will cover the basic elements of Swahili, Swahili grammar, pronunciation, and reading, with emphasis on skill in speaking the language. Three hours a week for explanation and demonstration; one hour a week of laboratory for drill and oral comprehension.

First semester. Mrs. Seshibi.

**70. Elementary Swahili.** A continuation of Black Studies 69.

Second semester. Mrs. Seshibi.

**73. The Black Family in the United States.** An interdisciplinary study of the black family in the United States, with particular reference to African-heritage, post-Civil-War family structure and the impact of urbanization upon the family as a unit. Guest lecturers will be invited as seem warranted by the development of a particular theme.

First semester. Professor Matthews.

**74. Historiography and Black Studies.** The course will explore and critically analyze major trends in the use of oral tradition in black historiography. This term primary emphasis will be placed on bibliographical data. Although the course will concentrate on comparative data, each participant will be expected to concentrate his research on a theme of his own interest.

Second semester. Omitted 1973-74. The Department.

**77, 78, D78. Honors Course.** Senior Honors. Preparation of an honors thesis.



## BLACK STUDIES

**97, H97, Special Topics.** Independent Reading Courses. Senior *rite* candidates should arrange a Special Topics course as a senior seminar. Full or half course.

**97. Special Topics.** Independent Reading Course in "The Black Woman in American Society."

First semester. Professor Sanchez.

**98, H98. Special Topics.** Independent Reading Courses. Full or half course. Second semester. The Department.

**98. Special Topics.** Independent reading Course in "Creative Writing."  
Second semester. Professor Sanchez.

The following courses are available for inclusion in a Black Studies Program in 1973-74:

**Seminar in Genetics.** See Biology 52.

Requisite: Biology 21 and consent of the instructor. Elective for Juniors. Limited to fifteen students. Second semester. Omitted 1973-74. Professor Hexter.

**The Economics of Urban Problems.** See Economics 23.

Requisite: Economics 11. First semester. Professor Kohler.

**African History to 1880.** See History 69.

Requisite: Previous course work in the Department of History or the consent of the instructor. First semester. Omitted 1973-74. Professor Davis.

**Modern African History.** See History 70.

Requisite: History 69 or the consent of the instructor. Second semester. Professor Davis and Department.

**Central and South Africa in the Nineteenth and Twentieth Centuries.** See History 75.

First semester. Omitted 1973-74. Professor Davis and Mrs. Seshibi.

**Modern Africa: The Intellectual Heritage.** See History 76.

Limited to fifteen students with consent of the instructor. Second semester. Professor Gifford.

**Politics in Developing Nations.** See Political Science 44.

Second semester. Professor Tiersky.

**American Social Structure.** See Sociology 12.

Elective for Freshmen. Second semester. Professor N. Birnbaum.

AMHERST COLLEGE  
CHEMISTRY

Professors Fink, Kropf (Chairman), and Silver; Associate Professor Sargent\*; Assistant Professors R. Davidson, Herzfeld, Hove, and Waggoner.

*Major Program.* A student considering a major in chemistry should consult a member of the Department as early as possible, preferably during his freshman year. This will help the student elect a program which best fits his interests and abilities and which makes full use of his previous preparation. Programs can be arranged for students considering careers in chemistry, chemical physics, biochemistry, biophysical chemistry, medical research, medicine, and secondary school science teaching.

The minimum requirements for a major in chemistry are Chemistry 11, 12, 21, 23, and three more courses chosen from Chemistry 30 (Biochemistry), 32 (Organic Chemistry), 34 (Physical Chemistry), 35 (Inorganic Chemistry). In addition, Mathematics 12 and Physics 13 are required for 23 (Physical Chemistry). Students planning a chemistry major should strive to complete Chemistry 11 and 12 and Mathematics 11, or their equivalents, by the end of freshman year.

*Honors Program.* A candidate for the degree with honors will also elect Chemistry 77 and D78 in the senior year. It would be helpful in pursuing an honors program for the student to have completed physical and organic chemistry by the end of his junior year. However, either of these courses may be taken in the senior year in an appropriately constructed honors sequence. Honors programs for exceptional interests, including interdisciplinary study, will be arranged on an individual basis by the departmental advisor.

Honors candidates will attend the chemistry seminar during their junior and senior years, participating in it actively in the senior year. All chemistry majors should attend the seminar in their senior year. At this seminar discussions of topics of current interest will be conducted by staff members, visitors and students.

In the senior year an individual thesis problem will be selected by the honors candidate in conference with some member of the Department. Current areas of research in the Department are: theoretical chemistry; chemistry of biological membranes; synthesis and properties of fluorescent dyes which serve as membrane probes; nucleophilicity of carbon-carbon bonding electrons; reactions of aromatic radical anions, synthesis and reactions of polyenes related to Vitamin A; chemistry of the visual process; mechanism of organic reactions; enzyme catalyzed processes; studies of compounds

\*On leave 1973-74.

## CHEMISTRY

with unusual magnetic and electrical properties; coordination chemistry and reaction mechanisms in inorganic systems; nuclear chemistry; hot-atom chemistry; photochemistry; spectroscopic studies of the solid state; and biochemistry.

Each candidate will submit a thesis based upon his research work. Recommendations for the various levels of honors will be made by the Department on the basis of the thesis work, the comprehensive examination, and course performance.

**11. Introductory Chemistry.** Beginning with a discussion of the origin and formation of the elements, this course will study the structure of atoms, the formation of molecules, the nature of interatomic and intermolecular forces, the nature of chemical reactions in terms of rate and position of equilibrium, and the chemical basis of biological processes.

Students with a limited background in secondary school science will have an optional extra class hour available to them for increased instructional assistance.

This course has no prerequisites. Four class hours and three hours of laboratory per week.

Elective for Freshmen. First semester. Professors, Fink, Hove, and staff.

**11s. Introductory Chemistry.** Same description as Chemistry 11.

Elective for Freshmen. Second semester.

**12f. Chemical Principles.** An examination of the relationships among structure, stability, and chemical change. The thermodynamic and kinetic criteria for stability of both inorganic and organic compounds will be investigated. Topics such as the use of thermodynamics in determining the position of equilibrium in inorganic, biochemical, and organic reactions, and the use of chemical kinetics in the determination of the rate of attainment of equilibrium will be discussed. Appropriate laboratory work will be performed. Four class hours and three hours of laboratory per week.

Requisite: Chemistry 11 (This requirement may be waived for exceptionally well prepared students. Consent of the instructor is required.), Mathematics 11 or its equivalent. Elective for Freshmen. First semester. Professor Kropf and staff.

**12. Chemical Principles.** Same Description as Chemistry 12f.

Elective for Freshmen. Second semester. Professors Herzfeld, Hove and staff.

**21. Organic Chemistry.** A study of the structures of organic molecules and of the influence of structure upon the chemical and physical properties of these substances. The following topics are among those discussed in the first semester: hybridization, resonance theory, molecular orbital theory, spectroscopy, stereochemistry, acid-base properties and the carbonium ion

## AMHERST COLLEGE

theory. Laboratory work introduces the student to simple laboratory techniques, instrumental analysis, kinetic measurements and elementary synthetic methods. Four hours of lecture and discussion and four hours of laboratory per week.

Requisite: Chemistry 12 or equivalent. First semester. Professor Silver and staff.

**23. Modern Physical Chemistry.** Elementary quantum mechanics and statistical mechanics. Topics include the time-independent Schrödinger equation, approximate methods of solution, applications to the structure and properties of atoms, molecules and solids, the chemical bond, and intermolecular forces. Equilibrium statistical thermodynamics including Boltzmann and quantum statistics, applications to ideal gases, crystalline solids and an introduction to theories of the liquid state. Three hours of lecture and two hours of laboratory problems per week.

Requisite: Chemistry 12 or equivalent, Physics 13 and Mathematics 12. First semester. Professor Herzfeld.

**23s. Modern Physical Chemistry.** Same description as Chemistry 23.

Second semester. Professor Davidson.

**30. Biochemistry.** A study of the structure and function of biologically important molecules and their role(s) in life processes. Four classroom hours and four hours of laboratory work per week. Offered jointly by the Departments of Biology and Chemistry.

Requisite: One semester of organic chemistry and one semester of biology. The biology requirement may be waived for chemistry majors. Second semester. Professors Godchaux and Waggoner.

**32. Organic Chemistry.** A continuation of Chemistry 21. The second semester of the organic chemistry course usually emphasizes subjects such as the chemistry of the carbonyl group, amino acids and proteins, sugars, acid-base catalysis in both non-enzymatic and enzymatic systems, oxidation-reduction reactions, problems of synthesis and other topics of interest. The laboratory is relatively unstructured and permits the student either to attempt some of a variety of suggested multistep syntheses or to design and execute a synthesis or other experiment of his or her own design. Four hours of lecture and discussion and four hours of laboratory per week.

Requisite: Chemistry 21 with a grade of C— or better. Second semester. Professor Silver and staff.

**34. Modern Physical Chemistry.** Theories of chemical reaction rates and energy transfer rates will be developed and applied to gases and solutions. Photochemistry and recent advances in chemical dynamics will be discussed. The laboratory emphasizes the microscopic nature of macroscopic properties



## CLASSICS

of matter, and the dynamics of chemical reactions and energy transfer. Three hours of lecture and four hours of laboratory per week.

**Requisite:** Chemistry 23 or equivalent, or permission of instructor; and Physics 14, or a course more advanced than Physics 14. Second semester. Professors Kropf and Waggoner.

**35. Inorganic Chemistry.** Periodicity of both physical and chemical properties of the elements will be examined on the basis of fundamental atomic theory. Group Theory and its applications to chemical problems will be discussed. Structure and bonding in coordination complexes will be examined through the Crystal and Ligand Field Theories. Emphasis will be placed on understanding the magnetic, spectral and thermodynamic properties of coordination complexes. Kinetics and mechanisms of inorganic reactions will also be examined. Three to four hours of lecture and discussion per week.

**Requisite:** Chemistry 23. First semester. Professor Hove.

**35s. Inorganic Chemistry.** Same description as Chemistry 35.

Second semester. Professor Hove.

**77, D77, 78, D78. Honors Course.**

Elective for Senior honors candidates, and for others with the consent of the Department. First and second semesters. The Department.

**97, H97, 98, H98. Special Topics.** A full or half course.

First and second semesters. Consent of the Department is required. The Department.

**Colloquium in Modern Experimental Science.** See Colloquia, p. 197.

**Requisite:** Permission of the course chairman. Elective for Juniors and Seniors who have completed at least three semester courses toward a major in biology, chemistry, geology or physics. Limited to fifteen students. Second semester. Professors Benson (Chairman), Brophy, Fisher, Godchaux, Hove, Tinker, Valberg, and Waggoner.

**Colloquium in Environmental Chemistry and Physics.** See Colloquia, p. 197.

Enrollment is limited; permission of the instructors required. Second semester. Professors Fink and Yost.

## CLASSICS

Professor Marshall (Chairman); Assistant Professor Flory; Mr. Griffiths and Visiting Lecturer Myers.

*Major Program.* All courses offered by the Department may be counted toward the major except those numbered 1, 1s, and 3. Latin 15-16 will

## AMHERST COLLEGE

normally be introductory to higher courses in Latin, and Greek 15-16 will serve the same function in Greek. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that no fewer than two may be taken in either language. Every *rite* student majoring in the Classics Department, whether in Classics, Greek, or Latin, will write a comprehensive examination in the spring of his senior year. This examination will in general resemble the honors examination described below, except that of course there will be no questions specifically on the candidate's honors work.

*Honors Program.* Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 77 and 78 in either Greek or Latin. He must submit a long essay (6000-7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e., not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. In the second semester of his senior year he will be given a written examination covering: (a) his honors work; (b) his reading in the classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice among various optional questions. The award of honors will be determined by the quality of the candidate's course work, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

For students beginning the study of Greek the following sequences of courses are normal: Either 1, 12, 11, or 1s, 11, 12.

## Classics

**23. Classical Civilization.** Readings in English of Homer, Herodotus, Aeschylus, Sophocles, Euripides, Aristophanes, Thucydides, Plato, and others to trace the emergence of Western culture from the Bronze Age to Alexander. How did the advent of writing transform the oral culture? How did mythological modes of thought develop into science, history, philosophy,

## CLASSICS

drama? What then precipitated the initial rebellion against rationality? Three hours of classroom work per week.

First semester. Mr. Griffiths.

**24. Classical Civilization.** A study of Roman civilization from its origins to the Empire. The material will be interpreted in the light of Roman influence upon later Western civilization. The reading will be almost entirely from Latin literature, but no knowledge of the ancient languages is required. Three hours of classroom work per week.

Second semester. Professor Marshall.

**32. Problems in Greek Civilization.** Topics of particular interest in Greek civilization, such as: the structures of Greek mythology, the formation of a concept of personality, Greek political experience and ideas, the origins of logical thought. The readings will initially explore how the Greeks differentiated themselves in these areas from other Near Eastern peoples, thereby becoming distinctively "Western." The second part of the semester will focus on the achievement of the Fifth Century. Subjects will be studied in greater depth than is possible in Classics 23. All readings will be in English.

Seminar course, restricted to fifteen students. Second semester. Mr. Griffiths.

**Introduction to European Civilization. (Problems in Roman Civilization).** See European Studies 11. For the years 1973-74 and 1974-75, this will serve as the Problems in Roman Civilization seminar course. All readings will be in English.

First semester. Professor Marshall.

## Greek

**1. Introduction to the Greek Language.** This course prepares students in one term of four class meetings per week to read Plato and other Greek literary, historical, and philosophical texts in the original and also provides sufficient competence to read New Testament Greek. Students will learn alphabet, pronunciation, grammar, and build vocabulary by reading a series of dialogues of gradually increasing difficulty. Normally followed by Greek 12.

First semester. Professor Flory.

**1s. Introduction to the Greek Language.** This course prepares students in one term to read Homer and other Greek literary, historical and philosophical texts in the original and also provides sufficient competence to read New Testament Greek. Three hours per week of general introduction to

## AMHERST COLLEGE

the language. Students will elect a fourth hour in reading either Homer or the New Testament. This course is normally followed by Greek 11.

Second semester. Mr. Griffiths.

**11. An Introduction to Homeric Epic.** In 1973-74, the *Odyssey* will be read, with particular attention to the poem's structure and recurrent themes, as well as to interpreting the symbolic meaning of the Odysseus myth. Four hours of classroom work per week.

Requisite: Greek 1s or 12 or consent of instructor. First semester. Mr. Myers.

**12. Plato's Apology.** An introduction to Greek literature through a close reading of the *Apology* and selected other works of Attic prose of the fifth and fourth centuries B.C. Additional readings in translation. Three one-hour class meetings per week.

Requisite: Greek 1 or 1s or equivalent. Second semester. Professor Flory.

**15. Greek Tragedy.** Two plays will be read with emphasis on poetic diction, dramatic technique, and ritual context. Larger issues will also be raised, such as the nature and meaning of the tragic experience and the characteristics which make Greek Tragedy unique as a literary form. Three one-hour class meetings per week.

Requisite: Greek 12 or its equivalent. First semester. Mr. Myers.

**16. Theocritus and Hellenistic Poetry.** Theocritus as the most versatile Hellenistic poet in joining the qualities of realism, erudition, and escapism. Attention will be given to parallel passages in Callimachus, Apollonius Rhodius, and Herodas and to Theocritus' influence on Virgil and later poets. Three one-hour class meetings per week.

Requisite: Greek 15 or its equivalent. Second semester. Mr. Griffiths.

**H21s. Greek Prose Composition and Style.** This course is designed to strengthen and refine the student's mastery of the Greek language. There will be two principal types of exercise, viz.: (a) translation of English passages into Greek and original composition in Greek; and (b) close scrutiny of selected passages of classic Greek prose. One hour of classroom work per week. A half course. Offered in alternate years.

Elective for Sophomores. Second semester. Omitted 1973-74.

**41. Advanced Readings in Greek Literature.** The authors read in Greek 41 and 42 vary from year to year, but as a general practice are chosen from a list including Homer, choral and lyric poetry, historians, tragedians, and Plato, depending upon the needs of the students. Greek 41 and 42 may be elected any number of times by a student, providing only that the topic is not the same. In 1973-74, the author will be Thucydides, and the emphasis will be on the literary quality of his work and on its role in Greek intellectual history. Additional readings from works contemporary with Thucydides. Two class meetings per week.



## CLASSICS

Requisite: Greek 15 or 16 or consent of instructor. First semester. Professor Flory.

**42. Advanced Readings in Greek Literature.** See course description for Greek 41. In 1973-74, the *Oresteia* will be studied with emphasis on problems of interpretation, both philological and literary, peculiar to this work. An effort will be made to determine what sets good criticism apart from bad and to explore the possibilities for creative and original scholarship. Two meetings of one hour and a half per week.

Requisite: Greek 15 or 16 or consent of instructor. Second semester. Mr. Myers.

**77, D78. Senior Honors Course.** Greek 78 is a double course.

First and second semesters. Members of the Department.

**97, 98. Special Topics.**

First and second semesters. Members of the Department.

## Latin

**3. An Introduction to the Language and Literature of Ancient Rome.** A course designed to increase the student's understanding of his own language and literary tradition. No previous knowledge of the language required; forms and syntax will be studied with a view to reading several great Roman authors in the original. Four hours of classroom work per week.

First semester. Mr. Myers.

**15. Catullus and the Lyric Spirit.** A highly selective investigation of lyric poetry from Sappho to e.e. cummings, with primary attention to Catullus' poetry as a recapitulation of the Greek achievement and a pattern for European lyric. The course will begin with a consideration of the origins of lyric poetry in Greece and the emergence of the idea of romantic love. The poems of Catullus will be read in Latin as private documents of his emotional life, as well as direct responses to the literature and society of the last days of the Republic, in particular Lesbia and her circle. The readings will illustrate the role of obscenity and erudition in poetry, as well as the effect of empire on literary taste. English lyrics from John Skelton on will parallel the readings in Latin. Students may submit translation and adaptations as part of the written work of the course. All readings but Catullus in English. Three one-hour class meetings per week.

First Semester. Mr. Griffiths.

**16. Virgil's Eclogues and Horace's Odes.** Latin pastoral and lyric. This course will study these Latin poems as works of art and as examples of genres with distinguished ancestors in Greece and descendants in England

## AMHERST COLLEGE

and America. Attention will also be given to Virgil and Horace as interpreters of the cultural and social milieu at Rome in the first century B.C. Three one-hour class meetings per week.

Requisite: Latin 15 or equivalent. Second semester. Professor Flory.

**H21s. Latin Prose Style.** A course designed to increase the student's reading ability and heighten his sensitivity to literary style. Various techniques will be used to build vocabulary, master complex syntactical structures, and explore the art of translating from the idiom of one language to that of another. There will be translation from Latin to English, English to Latin, and stylistic analysis of the great Latin prose of different periods. Two one-hour class meetings a week. A half-course. Offered in alternate years.

Second semester. Mr. Myers.

**41. Advanced Readings in Latin Literature.** The authors read in Latin 41 and 42 vary from year to year, the selection being made according to the interests and needs of the students. Both 41 and 42 may be repeated for a credit. In 1973-74, Latin 41 will be devoted to a close reading of the whole of Virgil's *Aeneid*. Three hours of classroom work per week. Seminar course.

Requisite: Latin 15 or 16 or the consent of the instructor. First semester. Professor Marshall.

**42. Advanced Readings in Latin Literature.** For the year 1973-74 the topic will be Roman historical writers, with particular attention given to Tacitus and Suetonius as interpreters of the Roman Empire. Three hours of classroom work per week. Seminar course.

Requisite: Latin 15 or 16 or the consent of the instructor. Second semester. Professor Marshall.

**77, D78. Senior Honors Course.** Latin 78 is a double course.

First and second semesters. Members of the Department.

**97, 98. Special Topics.**

First and second semesters. Members of the Department.

Colloquia. See page 197.

## DRAMATIC ARTS

Professor Boughton† (Chairman); Assistant Professors Boyer and Dorn (Acting Chairman, first semester), and Visiting Assistant Professor Albert; Mr. Mager.

†On leave first semester 1973-74.

## DRAMATIC ARTS

*Major Program.* Rite majors will complete Dramatic Arts 11 and seven additional courses in Dramatic Arts (selected in conference with the department) including at least two courses in theater production and at least two courses in dramatic literature.

*Honors Program.* Honors candidates will include Dramatic Arts 77–78 as two of the seven courses selected.

**11. Introduction to the Theater.** A consideration of the materials of creative expression in drama; an appreciation of the playwright's work and how his script is brought to fruition in production. Four hours of classroom work per week.

Elective for Freshmen. First semester. Professors Boyer and Dorn.

**21s. Classical Drama.** A study of the origins of western theater and the classical tradition in ancient Greek, Roman, Medieval, and Renaissance theater. Particular emphasis will be placed on the historical development of the theater. Three hours of classroom work per week.

Second semester. Professor Boyer.

**22. Eighteenth and Nineteenth Century Continental European Drama.** An examination of the decline of classicism in early eighteenth century theater and the subsequent rise of the middle-class drama, romanticism, realism and naturalism. Three hours of classroom work per week.

Second semester. Omitted 1973–74. Professor Boyer.

**23. Problems in Twentieth-Century Drama.** For 1973–74: *An End to the Determinist Fallacy*. We will begin, through the examination of such dramatists as Ibsen, Chekhov, O'Neill and Arthur Miller, with a study of the naturalistic notion that human actions in a drama are the function of the personality of the characters. Then we will consider the alternatives that developed in the twentieth century as the result of sophisticated psychological understandings of personality and as a result of the modern dramatists' willingness to reject the laws of causality. Three hours of classroom work per week.

First semester. Professor Albert.

**25. History of the American Theater: The Twentieth Century.** An historical study of one aspect of American culture, the theater, since 1895. It will examine people—playwrights, producers, directors, actors, designers, critics—and forces—social, cultural, economic, technical—that have molded the American theater. The topics for study will include: the evolution of theater as a business and the effects of the resulting changes on theater as an art; organized labor and the theater; the apogee of American dramatic literature; the maturation of the American musical; the uses of theater as an instrument of social protest; and the heyday of Broadway and the rise of off-Broadway. Readings will include primary and secondary historical accounts,

## AMHERST COLLEGE

as well as representative dramatic literature. Three hours of classroom work per week.

First semester. To be offered only once. Mr. Mager.

**31. Principles of Dramatic Production.** A study of directing, acting, scene design and stage lighting considered as instruments of dramatic interpretation. Four hours of classroom work per week.

Elective for Sophomores. First semester. Professors Albert and Dorn.

**32. Principles of Dramatic Production.** Continuation of Dramatic Arts 31, culminating in public performance. Four hours of classroom work per week.

Requisite: Dramatic Arts 31. Elective for Sophomores. Second semester. Professors Boughton and Dorn.

**44. Art of the Film.** Four hours of classroom work per week: two in film showings and two in a lecture-discussion period.

For 1973-74: An examination of Siegfried Kracauer's *Theory of Film* and its advocacy of the portrayal of physical reality. Specifically, the course will deal with movies of fiction and suspense and how they conflict with or support Kracauer's insistence upon reality. *Siegfried*, *Frankenstein* and *The Third Man* are titles suggestive (but not inclusive) of the material to be covered.

Second semester. Professor Boyer.

**45. Technical Production Seminar.** A study of traditional and modern stage production techniques. Emphasis is placed on the development of problem-solving ability and inventiveness in the context of a play's technical requirements. Attention is given to a variety of construction methods, materials, rigging practices, scheduling, and scenographic techniques. Three classroom hours and three laboratory hours per week.

Requisite: Dramatic Arts 11 or equivalent, or consent of the instructor. First semester. Professor Dorn.

**46. Seminar in Stage Lighting.** A study of the principles and tools of the stage lighting designer. Special emphasis is placed on the student's grasp of the practicalities within the field as well as development of the ability to translate his ideas to the physical stage. Attendance at several major Five College productions will be required. Three hours of classroom work per week plus laboratory.

Requisite: Dramatic Arts 11 or equivalent. Second semester. Professor Dorn.

**48. Seminar in Directing.**

Admission with the consent of the instructor. Second semester. Professor Boughton.



## DRAMATIC ARTS

**51. Seminar in Dramatic Literature.** Topic for 1973: *Romanticism and Opera*. An examination of revolutionary doctrines, the romantic spirit and their relationship to the development of nationalism and nationalistic theater in the nineteenth century. Among the works to be covered will be plays by Goethe, Schiller, Hugo, Scribe, Dumas, Byron, Shelley and operas by Beethoven, Weber, Verdi, Berlioz, Mussorgsky, and Wagner. An ability to read music is helpful, but not essential.

Admission with the consent of the instructor. First semester. Professor Boyer.

**52. Seminar in Dramatic Literature.**

Admission with the consent of the instructor. Second semester. Omitted 1973-74. Professor Boyer.

**55. Stage Design; The Craft.** A studio course in the methods of presentation and technical solutions for conventional design problems. Emphasis is upon the technique of drafting, rendering and model building; historical research; visual composition, and the design of a functional floor plan.

Admission with the consent of the instructor. First semester. Omitted 1973-74.

**56. Stage Design; The Art.** Projects and discussions of images and their realization in theatrical form. Emphasis upon the interaction of the design, the dramatic action, and the audience. Projects include designs for plays, ballets, environments, playgrounds and flexible spaces. Discussion of works by other designers, artists, and sculptors.

Requisite: Dramatic Arts 55. Second semester. Omitted 1973-74.

**77. Conference Course.** Conference course for honors candidates in dramatic arts.

Elective for Seniors. First semester. The Department.

**78. Conference Course.** Continuation of Dramatic Arts 77 for honors candidates in Dramatic Arts.

Elective for Seniors. Second semester. The Department.

**97, H97. Special Topics.** Independent Reading Course. Full or half course.

Admission with the consent of the instructor. First semester. The Department.

**98, H98. Special Topics.** Independent Reading Course. Full or half course.

Admission with the consent of the instructor. Second semester. The Department.

AMHERST COLLEGE  
ECONOMICS

Professors Aitken\*, Beals\*, Collery, Kohler, and Nelson (Chairman); Assistant Professors Nicholson, Sears, and Westhoff and Visiting Assistant Professor Hanson; Lecturer Fenoaltea.

*Major Program.* All students majoring in economics must take eight courses in the Department. These courses must include Economics 11, 13, 14, and 15. Mathematics 11 or equivalent is also required. With the consent of the Department, other preparation in statistics may be substituted for Economics 15. *Rite* students must take Economics 73, and students who are candidates for honors must take Economics 77 and D78.

Students intending to pursue graduate study in economics are strongly advised to take additional courses in mathematics beyond Mathematics 11.

Each candidate for a degree in economics is required to pass a comprehensive examination during his senior year. The examination is given near the end of the first semester. Each student who writes a thesis is examined on his thesis in May.

Economics 11 is a requisite for all other courses in economics. Students with previous work in economics may be excused from this requirement if they demonstrate an understanding of basic economic principles. A competency examination is given annually early in the first semester.

Unless otherwise specified, all courses are open to freshmen.

**11. An Introduction to Economics.** A study of the central functions and problems of an economic system, of the principles and practices of our economy, and of other forms of economic organization and control. One lecture and three hours of discussion per week.

Requisite for all other courses in economics. First semester. Professors Kohler (Course Chairman), Fenoaltea, Sears, and Westhoff.

**11s. An Introduction to Economics.** Same course description as Economics 11.

Second semester. Professors Collery (Course Chairman), Fenoaltea, Kohler, Nelson, and Westhoff.

**13. Money, Banking, and National Income.** A study of money and finance and their relation to the functioning of an economic system. An introduction to the theory of income determination with an indication of the role that money and finance play in the determination of employment, production, and prices. Two lectures and two hours of discussion per week.

Requisites: Economics 11 and Mathematics 11 or equivalent. First semester. Professor Collery.

\*On leave 1973-74.

## ECONOMICS

**14. The Theory of Price.** An introduction to the theory of utility and demand; the nature of cost and the production function; diminishing returns and short-run cost curves; returns to scale and long-run cost curves; competitive pricing; the pricing of productive services; the theory of monopoly; the theory of oligopoly; cartels and unions; the distribution of income; general equilibrium. Three class hours per week.

Requisites: Economics 11 and Mathematics 11 or equivalent. Second semester. Professor Nicholson.

**15. Economic Statistics.** A study of the analysis of quantitative data, with special emphasis on the application of statistical methods to economic problems. Three class hours per week. (Formerly Economics 45.)

Requisites: Economics 11 and Mathematics 11 or equivalent. First semester. Professor Nicholson.

**21s. Human Resources.** A study of manpower economics and welfare policy in the context of the United States economy. Effects of investment in human capital, discrimination, and other economic-political factors on the distribution of income will be explored. Three class hours per week.

Requisite: Economics 11. Limited to twenty-five students. Second semester. Professor Sears.

**23. The Economics of Urban Problems.** An inquiry into the nature and causes of the contemporary crisis of urbanized society as evidenced by poverty, slum housing, urban sprawl, traffic congestion, and the pollution of air, soil, and water. The theoretical basis for dealing with these problems is developed. Three class hours per week.

Requisite: Economics 11. First semester. Professor Kohler.

**24. The American Economy.** An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion per week.

Requisite: Economics 11. Second semester. Professor Nelson.

**25. The Regulated American Economy: Public Policy, Pricing, and Corporate Finance.** An analysis of the characteristics of the public utilities and transportation enterprises which are subject to special government regulation. This analysis is directed particularly toward public policy with respect to limitation of profits and control of price discrimination. The general question of regulation as a substitute for competition is also considered. Three class hours per week.

Requisite: Economics 11. First semester. Professor Nelson.

**26f. Consumers and Consumerism.** An examination of selected topics which illustrate the ways in which individuals make choices. The course is pri-

## AMHERST COLLEGE

marily empirical and utilizes some of the vast amounts of data on individual behavior which exist. Hypotheses are proposed which may explain those empirical regularities which are observed. Particular topics covered vary from year to year depending on the interests of students in the course. Possible subjects for study are: the economics of the family and fertility; labor force behavior of married women; the decision to purchase durable goods and to obtain consumer credit; the economics of life insurance; gambling; consumerism and product safety; and the economics of inheritance. Three class hours per week.

Requisite: Economics 11. First semester. Omitted 1973-74. Professor Nicholson.

**27. European Economic History.** An examination of the economic development of Europe from feudal times to the present day with emphasis on the evolution of industrialism. One two-hour seminar per week.

Requisite: Economics 11. First semester. Professor Fenoaltea.

**28. American Economic History.** A study of the economic development of the United States from colonial times to the present day. One two-hour seminar per week.

Requisite: Economics 11. Second semester. Professor Fenoaltea.

**29. The History of Economic Ideas.** A seminar in the development of economic theory, covering both representatives of the orthodox classical tradition and selected economic "heretics" and innovators. Two hours of class work per week, plus extensive independent study.

Requisites: Economics 11 and consent of instructor. First semester. Omitted 1973-74. Professor Aitken.

**31s. Public Finance.** Introduction to the economic analysis of the revenue and expenditure activities of governments. Emphasis on the effects of government policies on the allocation of resources and the distribution of income. Three class hours per week.

Requisite: Economics 11. Second semester. Professor Westhoff.

**32. Problems in Economic History.** An advanced seminar in economic history intended primarily to provide further training in analysis, bibliography, and interpretation. One two-hour seminar per week.

Requisites: Consent of instructor and either Economics 27 or 28. Limited to fifteen students. Second semester. Omitted 1973-74. Professor Aitken.

**Historical Problems and Economic Analysis.** See Colloquia, p. 143.

Requisite: Permission of the instructors. Limited to twenty-five students. Second semester. Omitted 1973-74. Professors Aitken and Halsted.

**33. Medical Economics.** An analysis of the United States system of medical care, with emphasis upon the supply and distribution of medical personnel, the financing of health care, the problems of rising hospital costs, and



## ECONOMICS

evaluation of alternative organizational forms for delivery of medical care. The course will be offered once every two years and should be of special interest to pre-med students. One two-hour seminar per week.

Requisite: Economics 11 or consent of instructor. First semester. Omitted 1973-74.

**35. The World Economy.** An examination into the problems of economic relationships among countries with emphasis on balance-of-payments problems, political problems of trade restrictions, international cooperation, and imperialism. Three class hours per week.

Requisite: Economics 11. Limited to twenty-five students. First semester. Professor Hanson.

**36. Economic Development.** An examination into the problems of economic growth with particular reference to less developed countries; the interaction of economic and noneconomic factors, population growth and the labor force, capital requirements, market development, foreign investment and aid, and the role of government. Case materials from selected countries will be used. Three class hours per week.

Requisite: Economics 11. Second semester. Omitted 1973-74.

**38. The Economics of Socialism.** A study of the theory and practice of planned economies with particular reference to the Soviet Union and Communist China. Three class hours per week.

Requisite: Economics 11. Second semester. Professor Kohler.

**46. Econometrics.** An introduction to problems of econometric model construction and estimation. Three class hours per week.

Requisite: Economics 15. Second semester. Professor Nicholson.

**73. Senior Rite Seminar.** Required of senior *rite* majors in economics.

First semester. Professor Nelson.

**D74. Senior Rite Seminar.** Preparation of a thesis on a topic approved by the Department. A double course.

Open only to seniors majoring in economics who are not candidates for honors. Second semester.

**77. Senior Honors Seminar.** Required of seniors majoring in economics who are candidates for honors. First semester. Professor Nelson.

**D78. Senior Honors Seminar.** Preparation of a thesis on a topic approved by the Department. A double course. Required of seniors majoring in economics who are candidates for honors. Second semester.

**97, H97. Special Topics.** Independent Reading Course. A full course or a half course. First semester.

**98, H98. Special Topics.** Independent Reading Course. A full course or a half course. Second semester.

Education. See page 203.

## ENGLISH

Professors Cameron (Chairman), Cody†, Craig, DeMott, Guttman†, Heath, Marx, and Pritchard\*; Associate Professors Chickering, Sofield, and Townsend and Visiting Lecturers Fessenden and Stone; Assistant Professors Bruss, Holdreith, O'Connell, and Peterson and Visiting Assistant Professors Diamond and Wolff.

*Major Program.* The student majoring in English must elect English 11 and six other semester courses offered or approved by the English Department. He must also take part in the comprehensive exercise in English that is given in the spring of the senior year. He should plan his program carefully in consultation with his departmental advisor, taking into account both his own particular interests and the offerings of the department.

Students in all classes who have enrolled as majors or who intend to do so should obtain a department statement about planning programs from the English Department Office in Johnson Chapel as early as possible, preferably before the registration period begins.

*Honors Program.* Exactly as above, except that candidates for Honors must also elect, in their senior year, English 77-78, D77, or D78.

*N.B.* The English Department does not grant advanced placement on the basis of College Entrance Examination Board scores. The character of the departmental offering is not such as to make advanced placement a meaningful idea. English 11 is conceived as a course of interest to entering students at any level of preparation in the study of English.

Unless otherwise specified, all courses are open to Freshmen.

**11. Introduction to English: Reading.** Centering on the familiar modes of literature but including as well other kinds of writing, expression, imaginative performance, the course aims to provide occasions for thinking about what we learn from what we read. Students will be asked to write frequently. Three hours of classroom work per week.

Elective for Freshmen. First semester. Professors Bruss, Cameron (Chairman), Chickering, DeMott, Diamond, Fessenden, O'Connell, Sofield, Townsend and Wolff.

\*On leave 1973-74.

†On leave first semester 1973-74.

‡On leave second semester 1973-74.

**16. Composition.** A course of exercise and criticism of the students' own writing. Procedures will vary from section to section, being worked out by the teacher and students together, but in all sections the students' own work will provide the materials for class discussion.

Elective for Freshmen and Sophomores. Sections will be limited to twenty or fewer students. Second semester. Professors Bruss, Craig, Heath and Holdreith.

**17. Survey of British Literature I.** From the Middle Ages to the eighteenth century. The course will seek to acquaint the student with certain themes, forms, events, ideas, personages, and particular writings which contribute to what might be called the Renaissance in British literature. Two class meetings per week.

Elective for Sophomores. Limited to forty students. First semester. Professor Townsend.

**18. Survey of British Literature II.** From the end of the eighteenth century to the present. The course will seek to acquaint the student with certain themes, forms, events, ideas, personages, and particular writings which contribute to what might be called the Modern Age in British literature. Two class meetings per week.

Elective for Sophomores. Limited to forty students. Second semester. Professor Cameron.

**19. Film and Writing.** Critical questions on the relationship of the two forms, aimed at clarifying the response to both. In the understanding of films, can one go beyond the literary models? Selected instances of film/novel, film/poem, film/play, film/essay, film history, film criticism. Subject to availability, films by Bergman, Bresson, Carné-Prévert, Cocteau, Godard, Hitchcock, Welles, and others. Writings by Auden, Diderot, Shakespeare, Shaw, and others. Weekly film viewing, weekly reading, frequent papers, seminar form. Two two-hour meetings per week.

Limited to forty students. First semester. Professor Cody and Mr. Stone.

**21. Advanced Composition.** A course in disciplined writing comprised of two sections, verse and prose. Students are expected to work independently without specific assignments. Class discussions of manuscripts and frequent conferences with the instructor. One two-hour meeting per week.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester.

1. *THE WRITING OF POETRY.* Miss Fessenden.

3. *THE WRITING OF PROSE FICTION.* Mr. Stone.

**22. Advanced Composition.** A continuation of English 21. One two-hour meeting per week.

## AMHERST COLLEGE

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. Second semester.

2. *THE WRITING OF POETRY*. Miss Fessenden.

4. *THE WRITING OF PROSE FICTION*. Mr. Stone.

**23. Composition: The Resources and Limits of General Discourse.** An attempt to put together the language of specialized knowledge with the language of general concern. Frequently assigned short papers will be the main work and supply the main material (class discussions will be based on mimeographed samples of assigned papers). A final longer paper will move from the consideration of a twentieth century autobiographical document (to be selected in conference with the instructor) to an assessment of the student's own intellectual and social life. Two meetings per week.

Elective for Juniors. Limited to fifteen students. First semester. Professor Craig.

**23s. Composition: The Resources and Limits of General Discourse.** Same course description as English 23.

Elective for Juniors. Limited to fifteen Amherst College students. Students from other colleges admitted in addition up to seven. Second semester. Omitted 1973-74. Professor Heath.

**24. Writing Fiction.** Class discussion of manuscripts and conferences with instructor. One two-hour meeting per week.

Elective for Juniors and Seniors with the permission of the instructor. Limited to twelve students. Second semester. Omitted 1973-74. Professor DeMott.

**25s. Discussions of Literature.** Each of these courses is taught specifically as a small discussion section, in which a member of the department undertakes to introduce beginning, as well as more experienced students to topics which are of recent and peculiar interest to himself or herself as a continuing student of English, and which are not usually represented in the standard departmental offering. The common aim is to refine the student's awareness of what constitutes the study of literature.

Elective for Freshmen, unless otherwise restricted. No student will be permitted to repeat English 25s more than once. Each section is limited to fifteen, except as noted. Students should elect a particular section of the course, listing alternates if desired. Admission will be determined by the instructor of the section. Requisite: English 11 or the consent of the instructor. Second semester.

2. *LITERATURE AND PSYCHOLOGY*. A critical reading of selected psychoanalytic works, principally Freudian ones, will prepare us to consider what psychoanalysis contributes to our understanding of literature.



One two-hour meeting per week. Limited to fifteen students with consent of the instructor. Professor Holdreith.

4. *LITERATURE OF TRAVEL AND EXPLORATION*. A study, by means of reading and writing, of the ways in which discovery is experienced and expressed. Emphasis will be given to English and American writers of the nineteenth century—such as Thoreau, Darwin, Burton—with attention to earlier and later figures. Frequent composition at the beginning of the course, an independent project at the end. Limited to fifteen Amherst College students. Students from other colleges may be admitted in addition up to seven. Professor Heath.

6. *BORGES AND NABOKOV: THE ART OF THE METAPHYSICAL DETECTIVE STORY*. An investigation of the similarities and contrasts between two modern masters of the literature of philosophical fable. We shall examine how and why these two writers create parodies of traditional narrative strategies of detection, such as the critical biography, the scholarly commentary, the "anatomy" of reality, the legendary forms of the quest for a lost bliss, the Gothic "thriller," and, of course, the detective story. The class will also attempt to appraise, through autobiographies and recorded interviews, the personal source of each author's "apolitical" non-engagement with large social issues. The course will conclude with a side glance at some rival creators of epistemological labyrinths, especially Samuel Beckett and Alain Robbe-Grillet. Readings in English (or in the original languages, as proficiency permits). Two meetings per week. Mr. Maraniss and Professor Peterson.

8. *FICTION*. How it is now. An exploration of fiction's attempts to define and convey visions of contemporary reality. Burroughs, Kesey, Michel Bernanos, and others. One two-hour meeting per week. Elective for Sophomores. Mr. Stone.

10. *THE LITERATURE OF LOGIC AND GAMES*. An approach to the growing body of literature which is based on problem-solving and game participation by readers, rather than, for example, "imitation of life" or "expression of emotion." Primitive forms such as riddle and fable will be considered, as well as works by Aristophanes, Fielding, Melville, Poe, Carroll, Nabokov, Borges, and Beckett, among others. Two meetings per week. Professor Bruss.

12. *FORMING AND FORMED OBJECTS*. Students carry on and discuss in group and private conference their projects, which could be a series of poems or a critical study, while reading from: Longinus, Vico, Shaftesbury, Diderot, Lessing, Coleridge, Baudelaire, George Eliot, Suzanne Langer, Robert Graves, Richard Wilbur, George Starbuck. Two meetings per week. Miss Fessenden.

AMHERST COLLEGE

14. *THE LITERATURE OF SOCIAL CRITICISM AND PROPHECY.*

An examination of selected American writings on society and politics between the Civil War and 1920. The writings used will be drawn from fiction, social science, and politics. Discussions will explore relationships between form and motive, ideology and audience in each work. Among the authors to be considered are DeForest, George, Sumner, Bellamy, Garland, Goldman, Veblen, Lloyd, Adams, Brooks, and Sullivan. One two-hour meeting weekly. Omitted 1973-74. Professor O'Connell.

16. *BLAKE'S JERUSALEM.* A study of William Blake's *Jerusalem* as poem, prophecy and artifact. Collateral reading in other Blake poems, the Bible, and modern literary criticism. Two meetings a week. Limited to fifteen Amherst College students. Students from other colleges admitted in addition up to seven. Omitted 1973-74. Professor Heath.

27. *Old English.* This course has three goals. (i) The rapid mastery of Old English (Anglo-Saxon as a language for reading knowledge). Selected prose and short poetry will be read in the original, including *The Wanderer*, *The Seafarer*, *The Dream of the Rood*, *The Battle of Maldon*. Literary awareness of the texts is emphasized over linguistic analysis. (ii) the development of critical imagination and verbal sensitivity in reading poetry. Students will declaim verses and write short critical papers. (iii) an examination of the salient features of Anglo-Saxon culture. A.D. 650-1050, expressed through its literary achievements. This course prepares students to read *Beowulf* in the original. Three class hours per week.

Requisite: Proficiency in a foreign language or consent of the instructor. Elective for Freshmen. First semester. Professor Chickering.

28. *Beowulf.* A reading of *Beowulf* in the original. Why is it a great poem? How does it test the Anglo-Saxon world-view? Translation, declamation, discussion, short papers. Three class hours per week.

Requisite: English 27 or a reading knowledge of Old English. Elective for Freshmen. Second semester. Professor Chickering.

30. *Chaucer.* Selected major poems will be read in the original. Other English writers, medieval and modern, will also be read. Three class hours per week.

Elective for Freshmen. Second semester. Professor Chickering.

31s. *Shakespeare.* A lecture course. Two class meetings per week.

Elective for Sophomores (and Freshmen with consent of the instructor). Second semester. Professor DeMott.

33. *Sixteenth Century Literature.* Principal texts and contexts of the European Renaissance and their English literary counterparts, especially in poetry and drama. Topics such as love psychology, comedy and idealism, social order, Machiavellian politics, Puritan religion, scepticism and tragedy,

## ENGLISH

studied in their relation to the works of the major English writers from Wyatt to Shakespeare, including Spenser and Marlowe. Several works of Continental humanism read in translation, including Erasmus (*Praise of Folly*), More (*Utopia*), Castiglione, Machiavelli, Montaigne. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). First semester. Professor Cody.

**34. Seventeenth Century Literature.** A critical and historical study of the major poets and playwrights: the poems of Donne, Jonson, Herbert, Marvell, and Milton (*Lycidas*, *Paradise Lost*, *Samson Agonistes*), the plays of Shakespeare (*Much Ado About Nothing*, *King Lear*), Jonson (*The Alchemist*), and Webster (*The Duchess of Malfi*). Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Professor Sofield.

**36f. Literature and Society, 1660–1780.** Reading of some poetry, prose and drama of the Restoration and eighteenth century. Major writers to be considered are Dryden, Congreve, Pope, Swift, Fielding, Sterne, and Boswell. The question to be addressed is, Is there not something to admire in these people even though they are wiser and more sophisticated than we? Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). First semester. Professor Holdreith.

**40f. The Eighteenth Century English Novel.** Readings in Defoe, Swift, Richardson, Fielding, Johnson, Sterne, Smollett, and others. Three meetings per week.

Elective for Sophomores (and Freshmen with permission of the instructor). First semester. Omitted 1973–74. Professor Holdreith.

**43. Readings in Romantic Poetry.** A study of the writings of Blake, Wordsworth, Coleridge, Keats, Shelley, and Byron. Two hours of classroom work per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). First semester. Professor Heath.

**45. Victorian Poetry.** Tennyson, Browning, Arnold, Hopkins; some attention to lesser figures. Relevant prose writings of Arnold, Mill, Ruskin, and others. Three hours of classroom work per week.

Elective for Sophomores. First semester. Omitted 1973–74. Professor Pritchard.

**47. The Nineteenth Century English Novel.** A course of readings in representative English novels, mainly of the nineteenth century. The books read vary from year to year from among such writers as the following: Scott,

## AMHERST COLLEGE

Jane Austen, the Brontës, Thackeray, Dickens, Trollope, George Eliot, Hardy, James and Conrad. Three hours of class per week.

Elective for Sophomores. First semester. Omitted 1973-74.

**49. Henry James.** The course is about James as a man writing, not a balanced survey of his work. It takes up James' writing in various modes—novels, stories, autobiography, letters, criticism, accounts of places—with the aim of raising questions about the relation of imagination and experience, both as James himself sees it and as it may be seen in him. One seminar meeting per week.

Limited to fifteen students. Elective for Juniors. First semester. Professor Cameron.

**50f. Modern Fiction.** A lecture course. Novels to be read in 1973-74 include *The Scarlet and the Black*, *The Brothers Karamazov*, *Sister Carrie*, *Swann's Way*, *Ulysses*, *The Magic Mountain*, *The Trial*, and *The Sound and the Fury*. Two class meetings per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). First semester. Professor DeMott.

**52. Modern and Contemporary Poetry.** Readings in British and American poetry 1945-1970: Betjeman, Larkin, Jarrell, Lowell, others. Three hours of classroom work per week.

Elective for Juniors. Limited to fifteen Amherst College students. Students from other colleges admitted in addition up to five. Second semester. Professor Sofield.

**53s. Modern Poetry.** A study of the poetry and relevant prose writings of Hardy, Yeats, Pound, the Georgians and Imagists, D. H. Lawrence, Frost and Eliot.

Elective for Sophomores. Second semester. Omitted 1973-74. Professor Pritchard.

**54. Readings in Modern British Fiction.** A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Thomas Hardy, Joseph Conrad, D. H. Lawrence, and James Joyce are the central figures. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Craig.

**56. Literary History of the Great War 1914-1918.** The limits of literature studied in relation to the event of war: memoir, history, fiction, poetry. The war considered as a problem in English literary history. Some modernists (Pound, Eliot, Lewis, Ford, Lawrence) read as war writers; some war writers (Carrington, Taylor, Graves, Manning, Sassoon, Owen) read as men of letters. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Omitted 1973-74. Professor Cody.



**57. English Literature Between the Wars.** Developments in poetry, in the novel, and in critical-sociological writing. Among writers to be considered are Shaw, Pound, Ford Madox Ford, Eliot, D. H. Lawrence, Wyndham Lewis, Auden, Evelyn Waugh, Orwell. Three classroom hours per week.

Elective for Sophomores. Limited to twenty students, preference given to those who have had English 53 or 54. First semester. Omitted 1973-74. Professor Pritchard.

**59. Readings in English Literature.** The topic for 1973-74 will be *Utopias and Anti-Utopias*: a study of some literary expressions of the distinction between fantasy and society, ranging from More's *Utopia* and Swift's *Gulliver's Travels* to various twentieth century examples, and concluding with as much of Joyce's *Finnegans Wake* as the class can take. Two class meetings per week.

Elective for Juniors. Limited to fifteen students. First semester. Professor Craig.

**61s. American Puritanism.** The Puritan strain in American writing, including the work of Taylor, Edwards, Franklin, Hawthorne, Emily Dickinson, Henry Adams, Robert Lowell, Faulkner, James Baldwin, Norman O. Brown. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Omitted 1973-74.

**62f. American Renaissance.** A study of major writers of the mid-nineteenth century: Poe, Emerson, Thoreau, Hawthorne and Melville. Three hours of classroom work per week.

Elective for Sophomores. First semester. Omitted 1973-74. Professor Guttman.

**63s. Realism and Naturalism in American Literature.** Readings in the work (among others) of Howells, Mark Twain, Henry James, E.A. Robinson, Stein, Crane, Dreiser, and Anderson. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor O'Connell.

**64f. Visionary Writers in America.** The antinomian strain in American writing from Anne Hutchinson to Allen Ginsberg, including works by Emerson, Whitman, Henry James, Henry Miller, Wallace Stevens, and Norman Mailer.

Elective for Sophomores. First semester. Professor Peterson.

**65s. American Literature: Cosmopolitans and Provincials.** The tension between "European" and "native American" perspectives and techniques in the work of Henry James, Mark Twain, Stevens, Frost, Eliot, Williams, Bellow, Faulkner, and Fitzgerald.

Elective for Sophomores. Second semester. Omitted 1973-74. Professor Guttman.

## AMHERST COLLEGE

**66. Race and Ethnicity in American Literature.** Racial, ethnic and religious commitments and concerns in American writing, including the work of Wright, Ellison, Baldwin, Henry Roth, Bellow, and Mailer.

Elective for Sophomores. Second semester. Professor Guttman.

**67. American Writers, Politics, and the Environment.** A study of selected topics in American literature aimed at illuminating the interplay between the literary consciousness, society, and the external environment. The course will be organized around the questions confronting the Kenan Colloquium as a whole (See p. 200.), with a view to bringing literary experience to bear upon the problems raised in the seminars. Among the writers who will be considered in the first semester are: Crevecoeur, Jefferson, Franklin, Emerson, Thoreau, Whitman, Frederick Douglass, Hawthorne, Melville, Horatio Alger, Theodore Dreiser, and F. Scott Fitzgerald.

Requisite: Enrollment in Kenan Seminars 1, 2, or 3. Elective for Sophomores. Limited to fifty students. First semester. Professor Marx.

**68. American Writers, Politics, and the Environment.** A continuation of English 67. Writers who will be considered include Henry Adams, F. J. Turner, Mark Twain, Frost, Faulkner, Hemingway, Stevens, Williams, Toomer, West, Mailer, and Snyder.

Requisite: English 67. Priority will be given to students enrolled in the Kenan Colloquium. Elective for Sophomores. Limited to fifty students. Second semester. Professor Marx.

**69. Contemporary Cultural Studies.** Topics in recent years have included "new journalism," participation theater, the anthologies war, literary and subliterate accounts of space exploration, the discovery of the black experience, pop-historical definitions of "the Sixties." Writings by Barth, Bellow, Mailer, Malcolm X, Nabokov, Pynchon, Laing, and others of recent reputation figure in the work of this course. One two-hour meeting per week.

Elective for Sophomores. Limited to fifteen students. First semester. Omitted 1973-74. Professor DeMott.

**70. Small Town Literature.** A study of small towns, carried out through readings, through field work, and through students' own writings on Amherst, Massachusetts. Among works to be considered in 1973-74 are: Agee, *Let Us Now Praise Famous Men*; Anderson, *Winesburg, Ohio*; Blythe, *Akenfield*; and Sennett, *The Uses of Disorder*. One two-hour meeting per week.

Elective for Sophomores. Admission to the course by consent of the instructor. Second semester. Professor Townsend.

**71. Language and Society.** An examination of how social roles and social structures are reflected, maintained, and even created through language. What are the "rules" for carrying on a conversation? What is the relation-

## ENGLISH

ship between dialects of "Non-standard English" and class values or racial attitudes? Readings from linguistics, sociology, anthropology, and philosophy, with class work to culminate in a field project. Two meetings per week.

Limited to fifteen Amherst students, with up to seven admitted from other colleges. First semester. Professor Bruss.

**72. Comedy.** Plays by Molière, Congreve, Chekhov, Ibsen, Shaw, Beckett, and Pinter are read in this course. One two-hour meeting per week.

Elective for Sophomores. Second semester. Professor DeMott.

**73. Modern Literary Autobiography.** Versions of the self in the autobiographical writings, including poems and essays as well as the customary forms, by Edwin Muir, Orwell, Nabokov, J. R. Ackerley, Lillian Hellman, Mary McCarthy, Richard Wright, Lowell, Updike, and Frank Conroy. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). First semester. Professor Sofield.

**74. Topics in the Novel.** The topic will be "Character in the Novel." Novels by Turgenev, Dickens, Flaubert, Dostoevsky, Tolstoy, James, Proust, Robbe-Grillet and Beckett will be read. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen who have taken English 11). Second semester. Professor Cameron.

**75. English and Education.** A consideration of the place of English in general culture and in the curricula of schools and colleges. Literary and pedagogical works will be read. One two-hour seminar a week.

Limited to fifteen Amherst students. Students from other colleges may be admitted in addition up to seven. First semester. Omitted 1973-74. Professor Heath.

**76. Junior Seminar.** Intended to be of particular interest to English majors proposing to begin a literary essay (English 77-78) in the following fall semester. The varieties and uses of critical writing, as conceived by a cross-section of the department.

Elective for Juniors. One two-hour seminar per week. Second semester. Omitted 1973-74. The Department.

**77. Senior Tutorial.** Independent work under the guidance of a tutor assigned by the department. Open to senior English majors with the consent of the department. Students intending to take this course and its continuation, English 78, should contact the department secretary before the end of the preceding spring semester. First semester.

## AMHERST COLLEGE

**D77. Senior Tutorial.** This form of the regular course in independent work for seniors will be approved only in exceptional cases. First semester.

**78. Senior Tutorial.** A continuation of English 77.

**D78. Senior Tutorial.** This form of the regular course in independent work for seniors (77-78) will be approved only in exceptional cases. Second semester.

**97, 98. Special Topics.** Independent Reading Courses. First and second semesters.

## EUROPEAN STUDIES

*Advisory Committee:* Professors N. Birnbaum, Carre, Cody†, Halsted‡, Kennick†, Marshall, Pemberton, Peppard†, and White; Associate Professors Cheyette (Chairman), Chickering, and Ratte; Assistant Professors Kaplan, Kent, Kirwin, Lees, May, Sofield, Tiersky, Upton, and Weary†; Lecturer Fenoaltea; and Mr. Griffiths.

European Studies is a major program which provides opportunity for interdisciplinary study of European culture. By combining work in the humanities and social sciences, it enables students to examine diverse facets of European culture and to seek those elements which give it its unity and distinctiveness.

*Major Program.* A major in European Studies will take European Studies 11, 75 and 76, and six other courses chosen in consultation with his advisor, which will reflect a coherent theme of study. European Studies 11 should be taken as early as possible. In addition, all majors will read a selected number of major works in the European tradition. These will form the basis for discussions in European Studies 76, which a prospective major should take during his sophomore year. During his junior year a major will demonstrate his ability to read creative and scholarly literature in at least one foreign language appropriate to his program. A junior year abroad devoted to a course of study approved by the Committee on European Studies is recommended as part of the major requirements.

*Honors Program.* Same as Major Program, except that candidates for honors must elect, as part of their senior year program, European Studies 77 and D78.

† On leave first semester 1973-74.

‡ On leave second semester 1973-74.



## EUROPEAN STUDIES

**11. Introduction to European Civilization.** In the fall semester 1973-74, the course will examine specific areas of Roman life and thought which have been especially influential in Western civilization. Particular emphasis will be put upon the development of a Roman national consciousness as seen in religion, politics, art, and literature.

First semester. Professor Marshall and members of the Committee.

**11s. Introduction to European Civilization.** Another version of European Studies 11. In the second semester, discussion and readings will be based on such problems as the search for Utopia, perception in art, and heroes and individuals in the nineteenth century. Students will be encouraged to formulate tentative programs of study with special reference to the resources of Amherst College. Field trips to New York and Boston will be made.

Second semester. Professor Kent and members of the Committee.

**75. Readings in the European Tradition.** Reading and discussion of a selected number of important works in the European tradition. The works read, to be selected in consultation with the students, will be from Antiquity, the Middle Ages, and the Renaissance. One or two class meetings per week. Recommended for Sophomores.

First semester. Professor Carre (Coordinator) and members of the Committee.

**76. Readings in the European Tradition.** A continuation of European Studies 75. The works to be read will be from the seventeenth to the twentieth centuries. One or two class meetings per week.

Requisite: European Studies 75 or consent of the course coordinator. Second semester. Professor Carre (Coordinator) and members of the Committee.

**77 and D78. Senior Honors Course.** Preparation of an honors thesis. A single and a double course.

Elective for Seniors with the consent of the Committee on European Studies. First and second semesters.

**97. Special Topics.** Independent Reading Course. First semester. Members of the Committee.

**98. Special Topics.** Independent Reading Course. Second semester. Members of the Committee.

Attention is directed to the following Colloquium in the European field:

**Germany Between the Two World Wars.** See Colloquia, p. 199.

Requisite: Written consent of the instructors. Limited to twenty students. Second semester. Professors Lees and White.

AMHERST COLLEGE

FINE ARTS

Professors Schmalz and Trapp (Chairman); Visiting Artist William Utermohlen; Assistant Professors Kirwin, Oxman, and Upton and Visiting Lecturer Sweeney; Visiting Lecturer Arnold; and Mr. Shepard.

*Major Program.* A major in fine arts consists of eight full courses in fine arts, one of which must (normally) be 11 or 11s and one in studio work; and a comprehensive examination. Additional work in studio beyond the 15 level may also count toward fulfillment of the major requirements. A *rite* major may by departmental permission elect a 77-78 program of individual work as a senior. Depending on the individual student's objectives, a limited number of courses in other departments may, with departmental approval, be accepted in partial fulfillment of the major requirement.

*Honors Program.* Honors in fine arts shall consist of eight full courses in fine arts, as above, plus Fine Arts 77-78, and a comprehensive examination. Normally, as a minimum, either Fine Arts 45 or Fine Arts 47 will be included in the student's elections within the Department. Note: A certain amount of work at the neighboring institutions is acceptable, at the discretion of the Department, for fulfillment of the major program.

**11. Introduction to the History of Art.** A chronologically presented survey of the major Western arts from earliest times to the present. Emphasis is placed upon the changing nature of style and content within sequential cultural contexts, and exercises are designed to introduce the student to basic critical and art-historical methods. Three hours per week.

First semester. Professor Schmalz.

**11s. Introduction to the History of Art.** The development of the major arts in the Western tradition, with special emphasis on the relationship between visual arts and the culture that produced them, as well as an examination of the formal relationships among the several visual arts.

Second semester. Professor Trapp.

**15. Introductory Studio.** An introduction to the basic principles of art through the study of the visual vocabulary. Studio experiments with a variety of art media. Projects in two and three dimensions. Two three-hour class periods per week. No prior studio experience is required or special talent expected.

Limited to thirty students. First semester. Professor Oxman.

**15s. Introductory Studio.** Same course description as Fine Arts 15.

Limited to thirty students. Second semester. Mr. Sweeney.

**16. Watercolor Painting.** An introduction to basic watercolor techniques. The course aims to develop ability to handle the medium confidently and

## FINE ARTS

to encourage exploration of its potential for personal expression. Two two-hour studio sessions per week, plus six additional hours of painting time.

Requisite: Fine Arts 15, 15s, or a comparable course. Limited to twenty-five students. Second semester. Professor Schmalz.

**17. Figure Drawing.** A series of exercises to introduce fundamental representational problems in drawing, especially of the human figure, and to develop the student's knowledge and skill in the techniques and uses of drawing. Two three-hour meetings per week.

First semester. Mr. Utermohlen.

**17s. Figure Drawing.** Same course description as Fine Arts 17.

Second semester. Mr. Utermohlen.

**19. Basic Oil Painting.** A set of studio projects to explore fundamental techniques in oil painting, with emphasis on figurative composition. Two three-hour meetings per week.

First semester. Mr. Sweeney.

**22. Three-Dimensional Design.** Examination of three-dimensional and structural concepts. Organization of space developed through constructions in a variety of materials. Two three-hour class periods per week.

Limited to twenty-five students. Second semester. Professor Oxman.

**23. Introductory Sculpture.** A studio course designed to explore the basic principles of sculpture. Life and portrait modeling preparatory to individual creation. Aesthetic analysis of works of sculpture. Two three-hour class meetings per week.

Limited to twenty-five students. First semester. Professor Oxman.

**24. Intermediate Sculpture.** A continuation of Fine Arts 23, with the addition of lost-wax casting. Two three-hour class periods per week.

Requisite: Fine Arts 22 or 23, or permission of the instructor. Limited to twenty-five students. Second semester. Professor Oxman.

**25. Introductory Serigraphy.** A series of problems designed to provide students with practice in the several basic techniques of silk-screen printing, and to acquaint them with its varied possibilities for original creative expression. Contemporary idioms will be emphasized. Two two-hour studio periods per week, plus additional studio time.

Requisite: Fine Arts 15, 22, or consent of the instructor. Limited to twenty-five students. First semester. Professor Schmalz.

**27. Visiting Artist's Studio.** The general tone and character of the course will be determined by the visiting artist. The specific problems and their sequence will be established with the interests of both the visiting artist and his individual students in view. Two afternoon meetings per week plus outside work.

## AMHERST COLLEGE

Limited to thirty students with consent of the visiting artist. First semester. Mr. Utermohlen.

**28. Visiting Artist's Studio.** Same course description as Fine Arts 27.

Limited to thirty students with consent of the visiting artist. Second semester. Mr. Utermohlen.

**29. Photographic Vision and Design.** An introduction to photography as a means of personal expression—its relationship to the other creative arts; its potential for pointing out historical context, its ability to describe in visual language contemporary culture. Class sessions will involve discussion of aesthetic content, form, and technique. Two afternoon meetings per week, plus outside assignments.

Requisite: Portfolio and consent of the instructor. First semester. Mr. Arnold.

**29s. Photographic Vision and Design.** Same description as Fine Arts 29.

Requisite: Portfolio and consent of the instructor. Second semester. Mr. Arnold.

**30f. Antiquities in Art.** This year the course will focus on the concept of classicism in the visual arts. An analysis of the components constituting the classic norm found in the arts of late sixth to fourth century B.C. Greece will serve as the point of departure for an investigation of the reemergence of classical attitudes in later cultures. Emphasis will be placed on Imperial Rome, Renaissance Italy, and continental Europe from 1600 to 1700. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. First semester. Professor Kirwin.

**31. Themes in Early Mediaeval Art.** A discussion of Christian visual expression from the fourth to the ninth century, from Constantine to Charlemagne, emphasizing the origins and development of Christian themes in painting, sculpture, and mosaic.

Requisite: Fine Arts 11 or 11s or permission of the instructor. First semester. Professor Upton.

**32. The Gothic Age.** A selective examination of French art of the twelfth and thirteenth centuries, with special emphasis on the construction and sculptural decoration of the major churches from the Abbey of St. Denis to the cathedrals of Chartres, Laon, Paris, Reims, Amiens and Beauvais, including some historical, social and religious aspects of Gothic life.

Requisite: Fine Arts 11 or 11s, or consent of the instructor. Second semester. Professor Upton.

**33s. Italian Renaissance Art.** An examination of life and artistic expression in Tuscany, Rome, and Venice from 1300 to 1550. Particular attention will



## FINE ARTS

be paid to the principal architects, painters, and sculptors from Giotto to Michelangelo. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Second semester. Professor Kirwin.

**34f. Baroque and Rococo Art.** A study of the major figures and movements in seventeenth and eighteenth century Italy, France, and the Netherlands. Focus will be on the origins of the Baroque in Rome, its development, and subsequent evolution into the Rococo.

Requisite: Fine Arts 11 or 11s or permission of the instructor. First semester. Professor Kirwin.

**38. The Origins of the Modern Movement.** A selective examination of developments in European painting from Neo-Classicism to Impressionism, with emphasis on problems in criticism. One seminar meeting per week. Outside reading and written assignments.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Second semester. Professor Trapp.

**39. Modern Art.** A selective examination of major figures and movements in the development of modern art from Post-Impressionism to the present. Two meetings per week.

Requisite: Fine Arts 11 or 11s or permission of the instructor. First semester. Professor Trapp.

**42. Dutch and Flemish Painting.** Realism in painting in the Lowlands from the fifteenth to the seventeenth centuries, with emphasis on the works of Jan van Eyck, Roger van der Weyden, Hugo van der Goes, Bosch, Bruegel, Vermeer, and Rembrandt.

Requisite: Fine Arts 11 or 11s, or consent of the instructor. Second semester. Professor Upton.

**45. Topics in Art History.** A critical examination of a variety of historical literature dealing with painting, sculpture and architecture. The chief aim of the course is to provide a deeper understanding of the methods, purpose and meaning of art history. Topic for 1973-74: Jan van Eyck and his contemporaries. One seminar meeting per week.

Requisite: Fine Arts 11 or 11s plus one other course in art history, or permission of the instructor. First semester. Professor Upton.

**46. Museum Seminar: American Art.** Using the Amherst College Collection as a major source of material, the seminar will investigate developments in nineteenth and early twentieth-century American art. Particular emphasis will be placed on landscape, genre, and still-life painting. One seminar meeting per week.

Requisite: Art 11 or 11s, or permission of the instructor. Limited to twelve students. Second semester. Mr. Shepard.

## AMHERST COLLEGE

**47s. Problems in Criticism and Connoisseurship.** A study of art criticism within historical contexts intended to sharpen visual perception and establish critical standards. Topic for this year: Seventeenth and eighteenth century studio practice. As part of the course and illustrative of its theme, students will participate in the organization of an exhibition, which will open in late April. One seminar meeting per week.

Requisite: Fine Arts 11 or 11s or permission of the instructor. Second semester. Professor Kirwin.

**48. Popular Images and Critical Seeing.** This course includes lectures and seminar discussions. Its object is to provide understanding and skills which will enable students to make discriminating judgments respecting the kind and quality of "truth" and "falsity" in contemporary visual images. It traces the historical interplay between "high art" and popular images, including photography, in basic themes like love and war, from about 1800 to the present. Special attention is given to limitations of style, continuity of forms, and metamorphoses of meaning. One seminar meeting per week.

Requisite: Fine Arts 11, 11s, or a comparable course, and at least one advanced course in art history or studio practice. Limited to twenty students. Second semester. Professor Schmalz.

**77, D77; 78, D78. Conference Course.** Senior Honors. Preparation of an honors thesis or completion of a studio project.

The student shall with the consent of the Department elect to carry one semester of his honors work as a double course weighted in accordance with the demands of his particular project. Elective for Seniors with the consent of the Department. First and second semesters.

**97, H97, 98, H98. Special Studies for Students Majoring in Fine Arts.**

Full or half course. First and second semesters. The Department.

French See page 181.

## GEOLOGY

Professors Brophy† and Foose; Associate Professor Belt (Chairman); Assistant Professors Kuntz\*, Murray, and Verosub; Dr. Coombs.

*Major Program.* Course requirements for majoring in geology generally include Geology 11, 21, 32, 34, 41, and 51. (Students with adequate background may be excused from Geology 11.) In addition, each major is en-

\* On leave 1973-74.

† On leave first semester 1973-74.

## GEOLOGY

couraged to engage in at least one semester of independent study and research and write a senior thesis. Majors should plan a program to include courses in mathematics, chemistry, physics and/or biology, depending upon their specific interests, preparation and abilities within the field of geology and related sciences.

Students contemplating a major in geology, or whose interests are directed towards geochemistry, geophysics or oceanography, should discuss their interests with the staff as early as possible, in order to elect a proper program of study.

Early in the second semester of the senior year, each major shall take a comprehensive examination, both written and oral. Part I will encompass those subjects considered to form the basic body of knowledge in the science. Part II will include questions that synthesize geologic knowledge or deal specifically with the major interest of the student. Part III will be an oral examination by the staff.

Students proceeding to graduate school should take the Graduate Record Examination early in their senior year and should be aware that some graduate schools require reading proficiency in two languages (usually French, German, or Russian), and attendance at an accredited summer field camp in geology.

*Honors Program.* For a degree with honors, a student must have demonstrated ability to pursue independent work fruitfully and exhibit a strong motivation to engage in research. A thesis subject should be chosen in the junior year and must be chosen within the first two weeks of the senior year. Geology 77, 78 involves independent research in the field or the laboratory that must be reported in a dissertation of high quality, due in April of the senior year.

Unless otherwise specified, all courses are open to any student having requisite experience.

**11. Principles of Geology.** Study of the earth and its inhabitants throughout time from the record preserved in the rocks. Review of the processes that denude the earth's land surface (destructional) and those that enlarge the earth's land surfaces (constructional); the origin and distribution of landforms of North America; origin, distribution, and use of natural resources; geologic principles applied to law, engineering, architecture, urban development and industrialization. One all day field trip. Four hours class and two hours laboratory each week.

First semester. Professor Foose and Staff.

**11s. Principles of Geology.** Same course description as Geology 11.

Second semester. Professor Brophy.

**Colloquium in Modern Experimental Science.** See Colloquia, p. 197.

Requisite: Permission of the course chairman. Elective for Juniors and Seniors who have completed at least three semester courses toward a major

## AMHERST COLLEGE

in biology, chemistry, geology or physics. Limited to fifteen students. Second semester. Professors Benson (Chairman), Brophy, Fisher, Godchaux, Hove, Tinker, Valberg, and Waggoner.

**Colloquium in Macroevironmental Systems.** See *Colloquia*, p. 198.

Requisite: One course in either ecology or geology, or permission of the instructors. Second semester. Professors Belt and Fisher.

**21. Mineralogy.** The crystallography and crystal chemistry of naturally occurring inorganic compounds (minerals). The identification, origin, distribution and use of minerals. Laboratory work includes mineral synthesis, X-ray diffraction, emission spectroscopy, differential thermal analysis. Three hours lecture, one hour directed laboratory.

Requisite: Geology 11 or permission of the instructor. First semester. Professor Murray.

**22. Geology of the Ocean Basins.** Origin of the ocean basins, their depth, shape and configuration; hypotheses of sea-floor spreading and plate tectonics; environments of deposition on the shelf, slope, rise, and abyssal plain; beach and nearshore processes; tides, waves, and currents; dynamics of physical, chemical, and organic changes in the oceans. Three hours class and three hours laboratory, field or seminar each week.

Requisite: Geology 11 or permission of the instructor. Second semester. Professor Foose.

**23. Geomorphology and Environmental Geology.** The application of geologic principles to a study of water resources, disposal of solid and liquid pollutants, beach erosion, and flood control. Evaluation of natural and man-made factors causing landslides and earthquakes; geologic factors critical to man-made structures, and man's influence on estuaries. Three hours class and three hours laboratory (or field) each week.

Requisite: Geology 11 or permission of the instructor. First semester. Professor Belt.

**H25. Optical Mineralogy.** The optical properties of isotropic, uniaxial and biaxial minerals in polarized light. Diagnostic optical properties and recognition of the common rock-forming minerals in thin section. Three hours combined laboratory-lecture per week. A half course.

Requisite: Geology 11, or concurrent with Geology 21. First semester. Professor Murray.

**32. Igneous and Metamorphic Petrology.** A study of igneous and metamorphic processes and environments. Application of chemical principles and experimental data to igneous and metamorphic rocks is stressed. Identification, analysis, and mapping of rocks in laboratory and field. Three hours class and four hours laboratory per week.

Requisite: Geology 21 and Geology H25. Second semester. Professor Murray.



## GEOLOGY

**34. Sedimentology.** A study of modern sediments and sedimentary environments as used for interpreting depositional environments of sedimentary rocks. Emphasis is placed on basic research reports on transportation and dispersal, deposition and primary structures, post-depositional processes and diagenesis. Tectonic framework of sedimentary basins and sedimentary models. Laboratory concentrates on thin sections of sedimentary rocks. Three hours class and three hours laboratory each week.

Requisite: Geology 11. Second semester. Professor Belt.

**41. Structural Geology.** A descriptive and analytical study of sedimentary, metamorphic, and igneous rock structures, and of the causes of deformation within the context of regional tectonic frameworks. Geologic structures will be studied and mapped in the field in areas of sedimentary, metamorphic, and igneous rocks during the laboratory. Three hours class and four hours laboratory each week.

Requisite: Geology 32 or permission of the instructor. First semester. Professor Foose.

**42. Paleontology.** An introduction to invertebrate and vertebrate fossil organisms, their evolution and paleoecologic significance. After a brief study of basic morphology, the student reads key research reports on ontogenetic variation, taxonomic categories, population dynamics, phyletic trends, and paleoecology. Laboratory alternates between seminars on the reading and practical study of invertebrate specimens. Three hours class and three hours laboratory each week. Offered in alternate years.

Requisite: Geology 11 or Biology 32. Second semester. Omitted in 1973-74. Professor Belt.

**43s. Geochemistry.** Topics covered in this course will alternate on a yearly basis. During the year 1973-74, the course will be concerned with the application of thermodynamic considerations to the phase equilibria in two, three, four, and five component systems. Emphasis is placed on the application of recent experiments in the phase relations of selected silicate, silicate-water, and silicate-gas systems to problems of geologic interest. Three hours laboratory each week.

In 1974-75, the application of chemical principles to geologic processes and equilibria in water and the aqueous environment will be considered. Basic theories of thermodynamics, equilibrium and mineral stability are used to construct chemical models for such processes as weathering, mineral reactions in surface waters, and the chemical-mass balance of the oceans. Three hours class and three hours laboratory each week.

Requisite: Geology 11 and Chemistry 11 or permission of the instructor. Second semester. Professor Murray.

**45s. Vertebrate Paleontology.** The evolution of vertebrates as shown by the study of fossils and the relationship of environment to evolution. Three hours class and four hours laboratory work each week.

## AMHERST COLLEGE

Requisite: Geology 11 or Biology 32. Second semester. Dr. Coombs and staff.

**46. Economic Geology.** Origin, occurrence, distribution, uses, and production of mineral fuels, metalliferous minerals (ore deposits), and industrial minerals (non-metallics). Laboratory devoted to studies of important mining districts, examination of raw materials and their geologic relations, and to a solution of geologic problems related to their occurrence. Three hours class and four hours laboratory each week.

Requisite: Geology 32 and 41. Second semester. Professors Brophy and Foose.

**48. Geophysics.** Application of the physical principles of gravity, magnetism, seismic wave propagation, radioactive decay, and heat flow to the interpretation of the structure of the earth's crust and mantle. Geophysical evidence for sea-floor spreading, continental drift, and new global tectonics. Principles of geophysical exploration. Three hours class each week plus occasional laboratory.

Requisite: Geology 11 and Physics 14, or permission of the instructor. Second semester. Professor Verosub.

**51. History and Dynamics of the Crust and Mantle.** The origin and development of the crust and mantle will be explored through the mechanism of lectures, seminars, field study and independent research dealing both with major areas of the globe and with fundamental processes. Three hours class, laboratory (or field), or seminar each week.

Requisite: Geology 41. First semester. Staff.

**77, 78. Geology Honors.** Independent research on a geologic problem within any area of staff competence. A dissertation of high quality will be required.

Elective for seniors who meet the requirements of the honors program. First and second semesters. The Staff.

**97, H97, 98, H98. Special Topics.** Independent reading or research. A written report will be required. Full or half courses.

Approval of the departmental chairman is required. First and second semesters. The Staff.

## GERMAN

Professors Peppardt† and White (Chairman); Mrs. Davidson.

*Major Program.* The major must include the following courses: German 10, 11, 21, 23, 24, 26, 38 or 40, 97 or 98.

A major in German will take a written or oral examination in the seventh year.  
†On leave first semester 1973-74.

## GERMAN

week of the second semester of his senior year. A reading list will be provided to aid in the preparation for this examination.

*Honors Program.* In addition to the courses required for a *rite* major, candidates for honors must complete German 77, 78, and must present a thesis. They are urged to study an ancient or one other modern foreign language.

The aim of honors work in German is to offer the candidate the opportunity (a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work; (b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay; (c) to acquire a general view of the history and development of German literature or language.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

**1. Elementary Course.** A structural approach to the study of German, with emphasis on syntax as the key to a thorough mastery of the language, and with attention to the skills of listening, speaking, reading, and writing. Four class meetings per week, with individual work in the language laboratory.

Elective for Freshmen. First semester. Mrs. Davidson.

**3s. Intermediate Course.** A continuation of German 1, with increased emphasis on reading of selected texts. Four class meetings per week, with individual work in the language laboratory.

Requisite: German 1 or its equivalent. Second semester. Mrs. Davidson.

**5. Advanced Course.** Reading and analysis of selected texts. Three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on comprehension of the spoken language and oral drill. Conducted in German.

Requisite: A satisfactory score in the CEEB Achievement Test. Elective for Freshmen. First semester. Mrs. Davidson.

*Freshmen will be assigned to German 1, or German 5 on the basis of the score in the CEEB Achievement Test and previous training. Part of the drill in these courses will be in the language laboratory.*

**10. Advanced Composition and Conversation.** Practice in free composition in German. Exercises in pronunciation and idiomatic conversation, with supplementary practice in the language laboratory. Oral reports on selected

## AMHERST COLLEGE

topics. Conducted in German. Three hours per week. Offered in alternate years.

Requisite: Consent of the instructor. Elective for Sophomores. Second semester. Omitted 1973-74. Professor White.

**11. Introduction to German Literature.** Reading and discussion of selected literary texts. This course will be conducted in German. Three hours of classroom work per week.

Requisite: German 3(3s), German 5, or equivalent. Elective for Freshmen. First semester. Professor White.

**11s. Introduction to German Literature.** Same course description as German 11.

Requisite: German 3(3s), German 5, or equivalent. Elective for Freshmen.

**21. German Culture of the Eighteenth Century.** An exploration of writing and the fine arts in eighteenth-century Germany, with emphasis on drama, fiction, essays, and the interaction of music and language. Selected readings in Gottsched, Winckelmann, Lessing, the younger Goethe, and others. Listening assignments in J. S. Bach, Mozart, and Haydn. Conducted in German. Three hours discussion per week, with occasional outside listening assignments.

Requisite: German 11 or permission of the instructor. Elective for Freshmen. First semester. Professor White.

**23. Goethe's Faust.** *Faust*, Parts I and II. A study of the Faust legend, lectures, and assigned readings. Conducted in German. Three hours per week.

Requisite: German 11. Elective for Freshmen. First semester. Omitted 1973-74. Professor Peppard.

**24. German Romanticism.** Studies in the Romantic movement in Germany, with readings from Tieck, F. Schlegel, Brentano, Kleist, Hoffmann, and Heine. Lectures and discussion. Three hours per week. Conducted in German. To alternate with German 26.

Requisite: German 11. Elective for Freshmen. Second semester. Omitted 1973-74. Professor Peppard.

**26. German Literature from Romanticism to the Turn of the Century.** The development of German literature from the death of Goethe through the period of Naturalism. Selected readings, lectures, and discussion. Conducted in German. Three hours per week. To alternate with German 24.

Requisite: German 11. Elective for Freshmen. Second semester. Professor Peppard.

**Germany Between the Two World Wars.** See *Colloquia*, p. 143.

Requisite: Written consent of the instructor. Limited to twenty students. Second semester. Professors Lees and White.

**35. Studies in Twentieth Century Prose.** Readings in major writers such as Thomas Mann, Franz Kafka, Grass, and Böll. Conducted in English.



## HISTORY

Students may read in the original or in translation according to their command of the language. Three hours per week. To alternate with German 37.

Elective for Sophomores. First semester. Professor White.

**37. German Literature in Translation.** Selected works of German literature in a rapid survey from the medieval period to the present. Readings in the original may be assigned for those with sufficient command of the language. Three hours per week. To alternate with German 35.

Elective for Juniors. First semester. Omitted 1973-74. Professor White.

**38. German Drama of the Twentieth Century.** Studies in German drama of the period with emphasis on the Expressionists. Brecht, and post-World War II dramatists. Three hours per week. Conducted in German. To alternate with German 40.

Requisite: German 11. Elective for Juniors. Second semester. Professor White.

**40. German Poetry of the Twentieth Century.** Interpretation of German verse of the period, with emphasis on George, Rilke, Hofmannsthal, the Expressionists, and post-World War II poets. Three hours per week. Conducted in German. To alternate with German 38.

Requisite: German 11. Elective for Juniors. Second semester. Omitted 1973-74. Professor White.

**50. Introduction to Linguistics.** A general introduction to structural and transformational linguistics. One two-hour seminar per week.

Elective for Juniors, with consent of the instructor. Second semester. Professor Peppard.

**77, 78. Honors Course for Seniors.**

First and second semesters. The Department.

**97. Special Topics. Independent Reading Course.**

First semester. The Department.

**98. Special Topics. Independent Reading Course.**

Second semester. The Department.

Greek. See page 101.

## HISTORY

Professors Czap, Davis, Gifford, Greene†, Halsted‡, Hawkins\*, Petropulos\*, Rozwenc, and Ward and Visiting Professors Hoyt and Vohra; Associate Professors Cheyette, Levin, Moore\*, and Ratté (Chairman); Assistant Professors Lees, E. Ryerson, and Weary†. Professor Emeritus Commager, Simpson Lecturer in History.

\*On leave 1973-74.

†On leave first semester 1973-74.

‡On leave second semester 1973-74.

## AMHERST COLLEGE

*Major Program.* Eight courses are required for a history major. One of these must be History 12, which a student majoring in the department is urged to take during the freshman or sophomore year. The other seven courses may include History 11, one or two semester courses of research culminating in a piece of historical writing, as well as any other departmental course offerings; extra-departmental Amherst College courses which are cross-listed under the history rubric of the catalog; and history courses offered by the four sister institutions. In making his selection, however, the student is expected to take courses in at least two of the following geographically-defined areas: Western Europe, Eastern Europe, the United States and Canada, Latin America, Africa, the Middle East, and East Asia, and should focus in considerable depth on a primary field of interest, geographical, chronological, or topical, which he will define in consultation with his departmental advisor. A student, by the middle of his last semester, will be expected to demonstrate to an evaluating committee of the faculty a comprehensive knowledge of his field of primary interest. The mode of the evaluation need not be the same for all the majors within the department, and, indeed, may be designed individually to test the skills each student has developed.

*Honors Program.* In addition to the two research courses which a student may take as two of his eight required courses, he may, with the approval of the department, take as many as three more semester courses of independent research. The maximum total of five research courses may be spread throughout the junior and senior years, or they may be concentrated within the senior year alone, with as many as three such courses in a single semester. If a student wishes to be considered for the degree with honors, he will present a substantial essay or cluster of related essays which he has worked on during his research course(s). Normally, the level of honors recommended by the department will also depend on the over-all calibre of a student's work in the major.

Unless otherwise specified, all courses are open to freshmen.

**11. Introduction to History: World-historical Studies.** The course introduces students to historical studies by concentrating on a major problem in world history which is treated on comparative and cross-cultural lines.

The topic for 1973-74 is the interaction of European and African peoples before, during, and after the period of imperial conquest and colonial rule. Particular attention will be given to Nigeria, Ethiopia, and Algeria, and to the origins and repercussions of the imperial impulse in England and France. Sections and lectures.

First semester. Professors Gifford and Ratté.

**12. Introduction to Historical Study.** The second of the Department's introductory courses aims at providing instruction in the reading of history. The

## HISTORY

course centers upon a classic work of historical literature which treats an important era of history and which is especially suited to reveal the characteristics of the historian's task.

In 1973-74, the work will be Marc Bloch's *French Rural History*. The book is first studied in relation to the life and times of its author and the founding of the "Annales school" of historical writing. The greater portion of the course is then devoted to several significant problems raised by this book concerning the historical study of nonliterate societies and to the ways in which historians have responded to these problems.

Required of all majors. Majors and prospective majors are advised to take this course as early as possible. Second semester. Professors Cheyette, Czap, Lees and Weary.

**21. The Development of European Society I.** Introduction to some of the major themes of western European history, from the fall of Rome through the late seventeenth century. Special attention will be paid to the ways in which westerners have conceived of this part of their past.

First semester. Omitted 1973-74. Professor Weary.

**22f. The Development of European Society II.** The history of Western and Central Europe in the eighteenth, nineteenth, and early twentieth centuries, viewed from the standpoint of changes in social structure. Emphasis on the hindrances to and effects of social modernization. Attention both to the European-wide developments and to differences among national areas. Some topics to be considered: stability and movement in the societies of the "old regime"; France's political and England's economic revolutions; the revolutions of 1848-49 and nationalism as social movements; the emergence of mass culture in the second half of the nineteenth century; and the new social tensions on the eve of World War I.

First semester. Professor Lees.

**23. Europe and the World in the Twentieth Century.** Lectures survey relations among governments in war and peace as they have been shaped by social and political transformations within nations. Readings for discussion focus on the relationship between contemporary global and European history; the transformation of European society from 1890 to the Versailles settlement; the rise of fascism; the diplomacy of the Second World War; communism, democracy and the intellectuals in the 1930s and 1950s; the impact of bipolarity, the loss of colonies, and the extension of the social service state in the 1950s and 1960s. Lectures and sections.

First semester. Professor Ratté.

**25. Medieval Society.** An introduction to medieval European society. Readings and discussion on selected topics of institutional and social history,



AMHERST COLLEGE

concentrating on the eleventh and twelfth centuries. Two one-and-one-half hour class meetings per week.

First semester. Professor Cheyette.

**26. Medieval Society.** A continuation of History 25 dealing with the thirteenth and fourteenth centuries.

Second semester. Professor Cheyette.

**28f. The European Mind: Abelard to Luther.** A seminar concentrating on one or two major themes of European thought in the Middle Ages. In 1973-74, the topic will be Burckhardt and the Italian Renaissance. One meeting per week.

Requisite: History 12 (History 11 prior to 1972-73) or a course in Renaissance art or literature. First semester. Professor Cheyette.

**30. Early Modern Europe.** An examination of the French Revolution in the context of European constitutional crises of the sixteenth through eighteenth centuries. After a close study of the opening years of the French Revolution, the course will move backwards through time to a consideration of the French parliamentary crisis of 1765, the English Civil Wars, the Revolt of the Catalans, the Fronde, French peasant uprisings, the Revolt of the Netherlands, the French Wars of Religion, and the Revolt of the Comuneros. Throughout the course stress will be placed upon the similarities between these crises, and upon the fundamental constitutional arrangements of early modern government.

Second semester. Professor Weary.

**Germany Between the Two World Wars.** See *Colloquia*, p. 199.

Requisite: Written consent of the instructors. Limited to twenty students. Second semester. Professors Lees and White.

**31. Modern Germany.** A general survey of the nineteenth and twentieth centuries, with emphasis on themes such as the following: the social and intellectual impact and challenge of revolutionary France, the origins of liberalism and nationalism, the effects of industrialization, social and ideological tensions in the Second Empire, expansionism and the military elite, the Weimar experiment in democracy, fascism and the structure of Nazi power, and reconstruction after World War II. Use will be made of visual materials and of original sources in English translation.

First semester. Omitted 1973-74. Professor Lees.

**32f. European Thought in the Nineteenth Century.** Dominant currents in the history of ideas viewed in their social context, from the Enlightenment to the intellectual background of the First World War.

First semester. Professor Halsted.



**Colloquium in Economics and History: Historical Problems and Economic Analysis.** See Colloquia, p. 199.

Limited to twenty-five students. Admission by written permission of the instructors. Second semester. Omitted 1973-74. Professors Aitken and Halsted.

**33s. Europe in the Nineteenth Century.** An examination of intellectual and practical attempts to answer and dispose of the "social question" which was put to European society by the Industrial Revolution and urbanization in the nineteenth century. Consideration of a broad range of both conservative and critical ideologies which can be discerned in formal social analysis, social fiction, the activities of publicists, and the efforts of reformers to introduce specific social improvements. Some of the movements to be treated: anti-industrialism and nostalgia; religious social reform; utopian and Marxian socialism; factory regulation and anti-socialist social insurance; and social imperialism.

Second semester. Professor Lees.

**35. Victorian England.** The seminar will treat aspects of the culture of nineteenth century England through the works of its great social critics, political and social theorists, novelists, and poets, as well as through major historical studies. One class meeting per week.

Limited to twenty-five students. First semester. Professor Halsted.

**36. The Enlightenment: Intellectual History of Eighteenth Century Europe.** A brief examination of the seventeenth-century origins of eighteenth-century thought; an analysis of the great core ideas of the century and an attempt to assess their social context as well as their influence. How do ideas become slogans? To be offered only once.

Open to Freshmen by permission of the instructor. Second semester. Professor Hoyt.

**38. Topics in Contemporary Intellectual History.** The course considers movements of ideas and the works of individual thinkers in relationship to social change and changes in specific intellectual disciplines. In 1974, discussion will focus on the lives and works of Freud, Weber, Sartre, Gramsci, and Teilhard de Chardin. Lectures and seminars.

Requisite: History 23 or an equivalent course at another institution. Second semester. Professor Ratté.

**40. Modern Greece.** An examination of Greek society from 1204 to the present, with stress on the Byzantine and classical legacies, as well as Ottoman Turkish rule and westernization, as basic components in the emergence of a modern Greek nation. Greece will be considered in the context of the

AMHERST COLLEGE

modernization process. The concurrent and conflicting modern Greek traditions of democracy and autocracy will be studied in an attempt to understand the current political situation in Greece.

Second semester. Omitted 1973-74. Professor Petropulos.

**41. Russia. A History of Russia until approximately 1900.** Kievan, Muscovite and Imperial Russian in the context of Slavic European civilization; the development of social and political institutions, including serfdom and bureaucratic absolutism. Readings, lectures and discussions.

First semester. Professor Czap.

**42. Russia. A History of Late Imperial and Soviet Russia.** Russia during the period of industrialization and constitutional monarchy; the revolutions of 1917; the reestablishment of social order and the development of Russian society under the Communist Party through the post-World War II years. Reading, lectures and discussions.

Second semester. Professor Czap.

**44f. Topics in Russian History.** The seminar will consider dominant themes in Russian social radicalism of the nineteenth century.

Admission by consent of the instructor. First semester. Professor Czap.

**45s. Modern East Asia and the West.** Lectures, readings and class discussion of problems in the histories of China, Japan, and other Asian countries since 1800. Special attention is given to differences in China's and Japan's attempts to modernize.

Second semester. Professor Vohra.

**46. Modern China.** A survey of political, social and economic developments as China moved from traditional Confucian society to revolutionary "Maoist" society. Lectures, readings and discussions will treat traditional society, and the Nationalist and Communist revolutions. Alternates with History 48.

Second semester. Omitted 1973-74. Professor Moore.

**48. Modern Japan.** An introduction to Japan's political and intellectual responses to the threat of the West since 1800. Lectures, readings and discussions will focus on late Tokugawa society, the Meiji Restoration and beginning of modernization, the growth of nationalism and the Pacific War, the American occupation and recovery of national independence in the Cold War. Alternates with History 46.

Second semester. Omitted 1973-74. Professor Moore.

**49. Topics in East Asian History.** The course explores one broad topic through readings, discussions and papers. One two-hour session per week.

## HISTORY

Requisite: History 45 or equivalent, or consent of the instructor. First semester. Omitted 1973-74. Professor Moore.

**51. The Middle East.** From the birth of Islam in the seventh century A.D. to 1300. Special emphasis will be placed on the nature of Islamic society and thought, the formation of an Islamic civilization, and the interaction of Arabs, Persians, and Turks.

First semester. Omitted 1973-74. Professor Petropulos.

**52. The Middle East.** From the rise of the Ottoman Turks around 1300 and the formation of the Ottoman empire to the emergence of successor nation-states in the twentieth century. Topics receiving special emphasis: changes in the nature of Ottoman state and society, the impact of the West and alternative reform and modernization efforts, the contrasting experiences of Arabs and Turks, before and after World War I, the Palestine problem and the creation of Israel.

Second semester. Omitted 1973-74. Professor Petropulos.

**53. The History of Israel.** This course will consider aspects of the Jewish experience in modern Europe; the origins and development of Zionism in Europe, America and Palestine before 1939; the Holocaust and the creation of the state of Israel; and the political, social and diplomatic history of Israel since 1948. One seminar session per week. Offered in alternate years.

First semester. Omitted 1973-74. Professor Levin.

**54. Topics on the Middle East.** Each year the course will focus on a single topic of broad range. Papers and discussion. One two-hour session per week. When the topic changes, the course may again be taken for credit.

Admission by consent of the instructor. Second semester. Omitted 1973-74. Professor Petropulos.

**55. The History of American Society.** An examination of the relationship between values and institutions in the formation of the American social system. Particular attention will be given to the complex interaction between the forces of social cohesion and social conflict as a way of understanding the movement of American society toward social disequilibrium and civil war.

First semester. Professor Rozwenc.

**56. The History of American Society.** An examination of the transformation of American values and institutions in response to the industrializing process. Particular attention will be given to social conflicts caused by the strains of rapid social change and their relationship to conflicts in world politics.

Second semester. Professor Rozwenc.

AMHERST COLLEGE

**57s. Seminar in Southern History.** Selected topics, with emphasis on the forces that have affected Southern particularism. One two-hour and one one-hour meeting weekly.

Limited to fifteen students. To alternate with History 67. Second semester. Omitted 1973-74. Professor Hawkins.

**58. The Progressive Generation.** A study of the responses to change made by Americans in the generation from 1890 to 1920. By concentrating upon a single generation the course will explore some of the interrelations among politics, literature, business, the professions, religion, and popular culture. One seminar meeting weekly.

Limited to fifteen students. Second semester. Omitted 1973-74. Professor Greene.

**59. America in the Sixties.** A study of the dominant political culture (Kennedy's New Frontier and Johnson's Great Society) and the making of a counter culture (the drug culture, black militancy, the anti-Vietnam War protest, student revolts, the "New Left," Women's Liberation, etc.). Colloquium and independent study.

Admission by consent of instructor. First semester. Professor Rozwenc.

**60. Radicals and Reformers in the New Deal Era.** An examination of the patterns of protest and reform that emerged in American society during the crisis of the 1930s.

Limited to fifteen students. Second semester. Professor Rozwenc.

**61. American Diplomatic History I.** A study of the domestic and the international determinants of America's role in world politics from the late eighteenth century to the nineteen twenties. Among the topics to be considered are ideology and foreign policy in the early Republic; the origins and evolution of the Monroe Doctrine; American expansion on this continent and across the Pacific; Theodore Roosevelt and world politics; and war, revolution, and Wilsonian diplomacy. Lectures and sections.

First semester. Offered in 1973-74 and in alternate years. Professor Levin.

**62. American Diplomatic History II.** A study of the domestic and the international determinants of America's role in world politics from the nineteen twenties to the present. Among the topics to be considered are America's effort to maintain the Versailles world order; the response of New Deal diplomacy to the rise of fascism and the breakdown of the Versailles world order; isolationism, internationalism, and the American entry into World War Two; the origins and early evolution of the Cold War; China, Korea, and the breakdown of bipartisan foreign policy; Eisenhower, Dulles and world politics; and Vietnam, the Third World, and greater power diplomacy under Kennedy, Johnson, and Nixon. Lectures and sections.

Second semester. Professor Levin.



## HISTORY

**63. American Intellectual History.** This course will concentrate on the Bill of Rights, not from the historical or legal point of view, but from the cultural and sociological. It will examine contemporary attitudes towards and controversies over freedom of speech and of the press, censorship, academic freedom, due process of law, crimes and punishment, the nature of equality, the relations of Church and State and of the military and civilian authority, separation of powers, and judicial review. To be conducted as a colloquium.

Limited to fifteen students with permission of instructor. First semester. Professor Commager.

**64. Law and Social Reform.** An examination of some of the achievements and limitations of the legal process as a tool of late nineteenth and early twentieth century reformers. Readings in the philosophy of law, sociological jurisprudence, the legislative and judicial processes and case studies selected from such areas as the treatment of criminals, the labor movement, and women's rights. One one-hour and one two-hour meeting per week.

Limited to fifteen students. Second semester. Omitted 1973-74. Professor E. Ryerson.

**65. Community and Individualism in Early America.** A study of the tensions between liberal individualism and the bonds of community in the development of American society. The course will focus on tensions within the Puritan communities of New England, the Quaker's "Holy Experiment," the semi-aristocratic society of Virginia, and the experience of the American Revolution.

First semester. Professor Greene.

**66. Seminar in American Educational History.** Selected topics from the colonial period to the present with emphasis on tensions between autonomous institutional standards and the needs and ideals of the general society. One two-hour meeting weekly.

Limited to fifteen students. Second semester. Omitted 1973-74. Professor Hawkins.

**67. Race in American History.** The course explores thought about race and institutions based on race within the context of American cultural development. Emphasis is on racial orientations of the dominant society rather than experience within various ethnic subsocieties. One one-hour and one two-hour meeting weekly.

Limited to twenty-five students. To alternate with History 57s. First semester. Omitted 1973-74. Professor Hawkins.

**68. Latin America since Independence.** Analysis of its political, economic, and social history.

Second semester. Omitted 1973-74.

AMHERST COLLEGE

**69. African History to 1880.** A general history of Africa from the Axumite, Nubian and Nile Valley Kingdoms to the nineteenth century. Attention will be given in the lectures to migrational patterns and the emergence of states and imperial systems; the rise of monarchies in the Sudan forest areas and in Central Africa; where relevant, consideration will be given to relations between African states and the development of institutions. An essay will be required.

Requisite: Previous course work in the Department of History or the consent of the instructor. First semester. Omitted 1973-74. Professor Davis.

**70. Modern African History.** This course will deal with the impact of exploration, missionary activity, European penetration and imperial systems, the Congress of Berlin and the African reaction. Much of the reading is from scholarly journals. An essay will be required.

Requisite: History 69 or the consent of the instructor. Second semester. Professor Davis and Department.

**75. Central and South Africa in the Nineteenth and Twentieth Centuries.** An introduction to the evolution of African states and kingdoms in Central and South Africa. Special attention will be given to a study of the emergence of the Zulu and Shona nations. The structure of African states and kingdoms north of the Limpopo River and the effects of British and Dutch policy on African life will also be considered. The policies and tactics of Shaka, the Zulu, Moshesh, and Mkwawa.

Admission by consent of the instructor. First semester. Omitted 1973-74. Professor Davis and Mrs. Seshibi.

**76. Modern Africa: The Intellectual Heritage.** Use of novels, autobiography and psychological materials to illuminate the central characteristics of colonialism and their continuing consequences in the African historical setting. Works by Abbas, Abraham, Achebe, Berque, Beti, Cary, Césaire, Fanon, Kenyatta, Laye, Senghor and others are treated against the historical situations that gave rise to them. Two seminar meetings per week.

Limited to fifteen students, with consent of the instructor. Second semester. Professor Gifford.

**77, D77. Independent Research,** culminating in one or more pieces of historical writing which may be submitted to the Department for a degree with honors. Normally to be taken as a single course but, with permission of the Department, as a double course as well.

First semester. The Department.

**78, D78. Independent Research.** Same course description as 77, D77.

Second semester. The Department.

**82f. History and Theory.** (Same course as Smith College 322a.) A comparative study of the histories, natures and purposes of the historical novel and

## HISTORY

the work of history. Works of history and historical novels treating the same subject will be used conjointly in an attempt to define their relationship to each other. Particular attention will be paid to the meanings of both "fiction" and "history" and to recent discussions about the value of history. One seminar meeting per week. To be offered at Smith College.

First semester. Omitted 1973-74.

**97, H97. Special Topics.** Independent Reading Course.

First semester.

**98, H98. Special Topics.** Independent Reading Course.

Second semester.

## RELATED COURSES

**African Nationalism.** See Black Studies 51.

First semester. Professor Davis.

**Introduction to Black Religion and Cognition in Africa and the Americas.**

See Black Studies 62.

Elective for Sophomores and Juniors. Second semester. Professor B. Matthews.

**Comparative Slave Systems in Africa and the Americas.** See Black Studies 63.

First semester. Professor Davis.

**Classical Civilization.** See Classics 23.

First semester. Mr. Griffiths.

**Classical Civilization.** See Classics 24.

Second semester. Professor Marshall.

**Problems in Greek Civilization.** See Classics 32.

Seminar course, restricted to fifteen students. First semester. Mr. Griffiths.

**Introduction to European Civilization. (Problems in Roman Civilization.)**

See European Studies 11.

First semester. Professor Marshall.

**European Economic History.** See Economics 27.

Requisite: Economics 11. First semester. Professor Fenoaltea.

**American Economic History.** See Economics 28.

Requisite: Economics 11. Second semester. Professor Fenoaltea.

**Problems in Economic History.** See Economics 32.

Requisite: Economics 27 or 28 and consent of instructor. Restricted to fifteen students. Second semester. Omitted 1973-74. Professor Aitken.

AMHERST COLLEGE

History of Science. See page 203.

Japanese Language. See page 196.

Latin. See page 103.

Latin American Studies. See page 204.

Legal Studies. See page 204.

## MATHEMATICS

Professors Bailey and Mauldon; Associate Professors Denton (Chairman) and Starr; Assistant Professors Armacost, D. Birnbaum, and Hadlock.

*Major Program.* The basic minimum course requirements for a major are Mathematics 11, 12, 21, 22, 25, 26, Physics 13, 14 or an alternate approved by the Department, and at least three more courses in mathematics. Students with a strong background in mathematics may be excused from certain courses such as Mathematics 11. It is recommended that such students take the Advanced Placement Examination in Mathematics.

A qualifying examination for honors candidates will be given toward the end of the second semester of their junior year. For other majors, a comprehensive examination will be given during the first seven weeks of the second semester of their senior year.

A student considering a major in mathematics should consult with a member of the Department as early as possible, preferably during his freshman year. This will enable him to arrange a program best suited to his ability and interest, whether it be in mathematics, secondary school teaching, or a non-mathematical career. If possible, he should complete two courses during his freshman year, and he should have completed all required courses by the end of his junior year.

For a student considering graduate study in mathematics, an honors program and a reading knowledge of two foreign languages (usually German,



## MATHEMATICS

French or Russian) are extremely desirable. Such a student is advised to take the Graduate Record Examination early in his senior year.

*Honors Program.* For a degree with honors, the following additional courses are required: Mathematics 42, 43, 77 and 78. Students are admitted to the honors program on the basis of a qualifying examination given during the second semester of their junior year. Before the end of the junior year, an individual thesis topic will be selected by an honors candidate in conference with a member of the Department. After an intensive study of this topic, the candidate will write a report in the form of a thesis which should be original in its presentation of the material, if not in content. All students majoring in mathematics are expected to attend the mathematics colloquium during their junior and senior years, and honors candidates will report to the seminar on their thesis work during their senior year.

**10. Finite Mathematics.** A course intended primarily for non-mathematics majors. Emphasis will be placed on topics having applications in the social sciences. Elementary discrete probability theory (counting techniques, independent trials, expected values), elementary matrix algebra with applications to Markov chains, decision theory, simulation, linear programming, and assorted topics in operations research. Four class hours per week.

Elective for Freshmen. Second semester. Professor Hadlock.

**11. Introduction to the Calculus.** Basic concepts of limits, derivatives, anti-derivatives; applications; the definite integral, simple applications; circular functions and their inverses; logarithms and exponential functions. Four class hours per week.

Elective for Freshmen. First semester. The Department.

**11s. Introduction to the Calculus.** Same description as Mathematics 11. Second semester. The Department.

**12. Intermediate Calculus.** A continuation of Mathematics 11. Conic sections, translation and rotation of axes; hyperbolic functions; methods of integration; applications of integration to arc length, volume and related problems; theory of limits; infinite sequences and series; Taylor's theorem and power series expansions; introduction to partial derivatives. Four class hours per week.

Requisite: a grade of C- or better in Mathematics 11 at Amherst College or the consent of the Department. Elective for Freshmen. Second semester. The Department.

**12f. Intermediate Calculus.** Same description as Mathematics 12.

First semester. The Department.

**18. Nature of Mathematics.** An exposition of the nature of mathematics through the study of various topics such as the axiomatic method, the

## AMHERST COLLEGE

foundations of mathematics, cardinal numbers, real numbers, prime numbers, groups and symmetry, non-Euclidean geometry, graph theory and applications of the above. Content varying from year to year. Four class hours per week. Offered in alternate years.

Elective for Freshmen. Second semester. Omitted 1973-74.

**21. Multivariable Calculus.** Multiple integrals in two and three dimensions; line integrals in the plane; Green's theorem; the Taylor development and extrema of functions of several variables; implicit function theorems; Jacobians. Four class hours per week.

Requisite: A grade of C or better in Mathematics 12 or the consent of the instructor. Elective for Sophomores. First semester. Professor Bailey.

**21s. Multivariable Calculus.** Same description as Mathematics 21.

Requisite: Same as Mathematics 21. Elective for Freshmen. Second semester. Professor Birnbaum.

**22. Advanced Calculus.** Completeness of the real numbers; topology of  $n$ -space including the Bolzano-Weierstrass and Heine-Borel theorems; sequences, properties of functions continuous on sets; infinite series; uniform convergence; Fourier series; surface integrals; divergence theorem; Stokes' theorem. Four class hours per week.

Requisite: Mathematics 21. Elective for Freshmen. Second semester. Professor Bailey.

**22f. Advanced Calculus.** Same description as Mathematics 22.

Requisite: Same as Mathematics 22. Elective for Sophomores. First semester. Professor Armacost.

**24. Numerical Analysis.** Practical computer methods for treating numerical problems, considered in conjunction with relevant theoretical matters and practical applications. Topics chosen from: approximation and evaluation of functions, derivatives, and integrals; numerical solution of systems of linear and nonlinear equations, eigenvalue problems, and differential equations; convergence, stability, efficiency, and error analysis of approximation methods; numerical optimization. Four class hours per week.

Requisite: Mathematics 12. Elective for Sophomores. Second semester. Professor Hadlock.

**25. Algebra I.** The study of a finite-dimensional abstract vector space and the algebra of linear transformations which act on it, together with the isomorphic algebra of matrices; the dual space, the effect of a change of basis, invariant subspaces, minimal polynomial of a transformation, characteristic vectors, various canonical forms. Four class hours per week.

Elective for Sophomores. First semester. Professor Mauldon.

## MATHEMATICS

**26. Algebra II.** A brief consideration of properties of sets, mappings, and the system of integers, followed by an introduction to the theory of groups and rings including the principal theorems on homomorphisms and the related quotient structures; integral domains, fields, polynomial rings. Four class hours per week.

Requisites: Mathematics 12 and 25. Elective for Sophomores. Second semester. Professor Mauldon.

**28. Introduction to Combinatorial Mathematics.** A selection of topics from each of the following three divisions—*Enumeration*: permutations, combinations, generating functions, principle of inclusion-exclusion, Polya's theorem; *Existence*: parity arguments, Ramsey's theorem, designs, graph theory; *Applications*.

Elective for Sophomores. Second semester. Professor Starr.

**29. Differential Equations.** Elementary methods of solution, theory of linear systems, general existence and uniqueness theorems, geometric theory, stability, applications. Four class hours per week.

Requisite: Mathematics 12. Elective for Sophomores. Offered in 1973-74 and alternate years. First semester. Professor Hadlock.

**33. Theory of Numbers.** An introduction to the theory of rational integers; divisibility, the unique factorization theorem; congruences, quadratic residues. Selections from the following topics: Diophantine equations; Waring's problem; asymptotic prime number estimates; continued fractions; algebraic integers, unique factorization domains. Four class hours per week. Offered in alternate years.

Elective for Sophomores. First semester. Omitted 1973-74.

**34. Introduction to Probability and Statistics.** Elementary probability, including statements of the law of large numbers and the central limit theorem; joint distribution functions; distribution functions of frequent occurrence in statistics, such as the Normal, Poisson, Chi square and Student's *t*, and their use in hypothesis testing and estimation; roles of the law of large numbers and the central limit theorem in hypothesis testing and estimation (including errors of type I and type II); a brief introduction to non-parametric methods. Four class hours per week.

Requisite: Mathematics 11. Except with special permission of the departments concerned, this course and Economics 15 may not both be taken for credit. Elective for Freshmen. Second semester. Professor Denton.

**34f. Introduction to Probability and Statistics.** Same course description as Mathematics 34.

First semester. Professor Birnbaum.

**35. Statistics.** Intermediate probability; forms and sketches of proofs of the law of large numbers and the central limit theorem; Neyman-Pearson theory

## AMHERST COLLEGE

of hypothesis testing and estimation; properties of some parametric and non-parametric tests of wide applicability; introduction to decision theory. Four class hours per week. Offered in alternate years.

Requisite: Mathematics 34. Elective for Sophomores. First semester. Professor Denton.

**42. Functions of a Complex Variable.** An introduction to analytic functions; complex numbers, derivatives, conformal mappings, integrals, Cauchy's theorems; power series, singularities, Laurent series, analytic continuation; Riemann surfaces; special functions. Four class hours per week.

Requisite: Mathematics 21. Elective for Sophomores. Second semester. Professor Armacost.

**43. Functions of a Real Variable.** An introduction to Lebesgue measure and integration; topology of the real numbers, inner and outer measures and measurable sets; the approximation of continuous and measurable functions; the Lebesgue integral and associated convergence theorems; the Fundamental Theorem of Calculus. Four class hours per week.

Requisite: Mathematics 22. Elective for Juniors. Offered first semester in alternate years. Omitted 1973-74.

**44. Topology.** An introduction to general topology; the topology of Euclidean, metric and abstract spaces with emphasis on such notions as continuous mappings, compactness, connectedness, completeness, separable spaces, separation axioms, metrizable spaces. Additional topics may be selected to illustrate applications of topology in analysis or to introduce the student briefly to algebraic topology. Four class hours per week. Offered in alternate years.

Requisite: Mathematics 22 or consent of the instructor. Elective for Juniors. Second semester. Omitted 1973-74.

### **77. Honors Course.**

Elective for Seniors with the consent of the Department. First semester. The Department.

### **78. Honors Course.**

Requisite: Mathematics 77. Second semester. The Department.

**97, H97. Special Topics.** Independent Reading Course. Full or half course. First semester.

**98, H98. Special Topics.** Independent Reading Course. Full or half course. Second semester.



## MUSIC

Professor Mishkin (Chairman); Associate Professor McInnes; and Assistant Professors May, Spratlan\*, and Wheelock; and Visiting Assistant Professor Bloom.

**Major Program.** Prospective music majors should consult the Department as early as possible to plan a course of study which will meet their needs and interests. Concentration may be in music history, theory, composition, or performance. All music majors are strongly advised to elect Music 31–32 and at least one of the following course sequences: 33–34 (Harmony), 69–70 (Composition), or 35–36 (Counterpoint). The *rite* major consists of a minimum of eight semester courses. The *rite* major with concentration in performance consists of a minimum of nine semester courses, including at least six half courses in performance, Music H29–H30.

**Honors Program.** The honors major should elect the course of study stipulated for the *rite* major plus Music 77–78. The senior project acceptable for honors in music may be an historical or critical thesis, a composition, or a formal recital, dependent upon the student's field of concentration.

**11s. Introduction to Music.** The elements of musical design; a creative engagement with the problems of the composer and listener. Topics for 1973–74 will include *avant garde* and electronic music, medieval music and selected nineteenth-century works. Three class meetings a week.

Elective for Freshmen. Second semester. Professor May.

**15. Listening.** A study of representative works from the history of music. This course does not require previous musical study. Two class meetings and one listening section (to be arranged) a week.

Elective for Freshmen. First semester. Professors Mishkin, McInnes and staff.

**21. Medieval and Renaissance Music.** An historical survey of major composers and stylistic innovations in the period ca. 900–1610. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. First semester. Professor May.

**World Music.** See Black Studies 23 and 24.

First and second semesters. Professor Cole.

\*On leave 1973–74.

## AMHERST COLLEGE

**Performance.** To receive academic credit for private instrumental or vocal instruction a student must follow one of the two plans adopted by the Department and register his option in writing with the Music Department before each semester, as well as including the information in his regular registration forms. Advanced students may apply to the Department for full credit.

**PLAN I.** Under a cooperative arrangement with Smith and Mount Holyoke Colleges performance courses are offered in keyboard, string and wind instruments and in voice. Instruction will be given by members of the Music Departments of Smith and Mount Holyoke Colleges. Course listings, requisites and instructors can be found in the course bulletins of each college. Under Plan I a separate Five College Interchange Course Application is completed by the student for each semester course in performance, listing his instrument and the appropriate Smith or Mount Holyoke course number. These application blanks are available at both the Registrar's and Music Department's offices.

It should be noted that an extra fee is charged to cover a portion of the expense for this special type of instruction. For 1973-74, the fee charged the student for each semester course will be: Smith College, \$150.00; Mount Holyoke College, \$112.00.

Those students who are receiving financial aid will be given additional scholarship grants in the full amount of these fees. Other students may apply to the financial aid office for short-term loans if necessary to enable them to pay their fees on schedule.

**PLAN II.** Amherst College Music **H29, H30.** In this plan students first consult the Chairman of the Amherst Music Department to make private arrangements for music instruction with teachers accredited by the Department. Students will arrange schedules and fees directly with their instructors, who must be among those approved by the Department. Registration should be under the course listing: Amherst College—Music **H29** or **H30**; students should insure that they are also listed with the Music Department Office.

The general regulations for performance instruction under either plan are:

1. Consult the Chairman of the Amherst Music Department who will arrange for teachers, auditions and lesson schedules.
2. One hour of private instruction and nine hours of practice a week are expected.
3. Unless otherwise arranged with the Department, all performance courses will be elected for one half course (two semester hours).
4. Two performance half courses may be counted as the equivalent of one full course for fulfilling degree requirements. Study for less than two consecutive semesters will not be counted for satisfying degree requirements.

## MUSIC

5. A student electing a performance course may carry four and a half courses each semester, or four and a half courses the first and three and a half courses the second semester.
6. Only with special permission of the Department may students elect more than one performance course in a semester.

**Requisite:** A proficiency of at least intermediate level on the instrument to be studied. Elective for Freshmen with the consent of both the Amherst Music Department and the instructor. This course may be repeated. First and second semesters.

**31. Elementary Theory.** Basic principles of harmonic and contrapuntal technique. Triads and their inversions, nonharmonic tones, modulations, harmonizations in chorale style. Two class meetings a week and two ear-training sections per week.

**Requisite:** ability to play all written work and the consent of the instructor. Elective for Freshmen. First semester. Professor Mishkin.

**32. Elementary Theory.** A continuation of Music 31. Seventh chords, elementary phrase structure, formal analysis. Two class meetings and two ear-training sections per week.

**Requisite:** Music 31. Elective for Freshmen. Second semester. Professor Mishkin.

**33. Intermediate Theory I.** Classical Harmony. The theory of tonal music as exemplified in the music of Haydn, Mozart, and early Beethoven. An introduction to analytical methodology. Students will analyze works and write pieces modelled on them. Practical exercises in basic musicianship, keyboard harmony, and score reading. Two class meetings and one section (to be arranged) a week.

**Requisite:** Music 32 or the consent of the instructor. Elective for Sophomores. First semester. Professor May.

**34. Intermediate Theory II.** Romantic Harmony. The theory of tonal music as exemplified in music from late Beethoven to Brahms and Wagner. The methodology of linear analysis (Schenker). Students will analyze works and write pieces modelled on them. Practical exercises in basic musicianship keyboard harmony and score reading. Two class meetings and one section (to be arranged) a week.

**Requisite:** Music 33. Elective for Sophomores. Second semester. Professor May.

**35. Modal Counterpoint.** The theory and practice of music in the sixteenth century as exemplified in the works of Lassus, Palestrina and Byrd. Techniques of melodic and contrapuntal analysis. Students will analyze works and write pieces modelled on them. Practical exercises in basic musicianship,

## AMHERST COLLEGE

sight singing, and score reading. Two class meetings and one section (to be arranged) a week.

Requisite: Music 32 or consent of the instructor. Elective for Sophomores. First semester. Omitted 1973-74. Professor May.

**36. Tonal Counterpoint.** The theory of tonal music as exemplified in the works of Bach. The methodology of motivic and linear analysis (Schenker). Students will analyze works and write pieces modelled on them. Practical exercises in basic musicianship, keyboard harmony, and score reading. Two class meetings and one section (to be arranged) a week.

Requisite: Music 35. Elective for Sophomores. Second semester. Omitted 1973-74. Professor May.

**42. Bach.** The Bach style studied in relation to the development of music since 1600. Two class meetings a week. Offered in alternate years.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Second semester. Omitted 1973-74. Professor Mishkin.

**43s. Mozart.** A study of the instrumental and sacred choral music. Two class meetings a week. Offered in alternate years.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. Second semester. Professor Mishkin.

**44f. Beethoven.** A study of the piano, chamber, orchestral and choral music. Three class meetings a week. Offered in alternate years.

Requisite: Music 11 or the consent of the instructor. Elective for Freshmen. First semester. Omitted 1973-74. Professor Spratlan.

**45s. Opera.** A survey of the stylistic development of the musical drama from 1600 to the present, with concentrated investigation of representative works by Handel, Mozart, Verdi, and Wagner. Two class meetings a week. Offered in alternate years.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. Second semester. Professor McInnes.

**46. Choral Music.** A study of the history of choral music from Bach to Stravinsky, including detailed analyses of major compositions of several composers. Two class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. Second semester. Omitted 1973-74. Professor McInnes.

**47. Nineteenth Century Music.** Topics in the music of the Romantic era: post-Beethoven chamber and orchestral music; the miniature and the monumental; the effect on musical language of the programmatic idea; nationalism and literary influences; lyric opera and the Music Drama. Two class meetings a week. Offered in alternate years.



## MUSIC

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. First semester. Professor Bloom.

**48. Twentieth Century Music.** Analyses of key works by Bartok, Berg, Debussy, Schoenberg, Stravinsky, and Webern and discussion of some recent developments. Three class meetings a week. Offered in alternate years.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Second semester. Professor Wheelock.

**50. Music in the United States.** A study of American musical culture with particular attention to the fusion of European and African elements. Three class meetings a week.

Elective for Freshmen. Second semester. Omitted 1973-74. Professor Spratlan.

**Seminar in the Music of John Coltrane.** See Black Studies 52.

Second semester. Professor Cole.

**69. Composition.** A course in elementary composition beginning with simple inventions and emphasizing the study of twentieth century techniques. Included in the course will be demonstrations of orchestral instruments. Two meetings a week.

Requisite: ability to read music. Knowledge of traditional music theory is not required. Elective for Freshmen. First semester. Professor Wheelock.

**70. Composition.** A continuation of Music 69. Two class meetings a week.

Requisite: Music 69 or Music 31. Elective for Freshmen. Second semester. Professor Wheelock.

**71. Composition Seminar.** Composition according to the needs and experience of the individual student. Two class meetings a week and private conferences.

Requisite: Consent of the instructor. Elective for Juniors. First semester. Professor Wheelock.

**72. Composition Seminar.** A continuation of Music 71.

Requisite: Music 71 or the consent of the instructor. Music 71 and 72 may be elected for more than one year. Elective for Juniors. Second semester. Professor Wheelock.

**77, D77, 78, D78. Conference Course.** Advanced work in history, composition or performance for honors candidates. A thesis, a major composition or a formal recital will be required. No student shall elect more than one semester as a double course. A double course or a full course.

Elective for qualified Seniors. First and second semesters.

## NEUROSCIENCE

*Advisory Committee:* Professors George, Sorenson, and Waggoner.

A student may receive the B.A. degree from Amherst with an interdepartmental major in neuroscience. This program is designed for those students who wish either to have the breadth of experience this program provides or to prepare for graduate study. The major is organized around course offerings of the various science departments whose disciplines are fundamental to work in neuroscience.

*Major Program.* Each student, in consultation with a member of the advisory committee, will construct a program that will provide for a basic grounding in biology, chemistry, physics, and psychology. The courses selected will introduce the student to each of the basic sciences, and in addition will enable him to reach a sufficient level of sophistication so as to be able to understand current problems in neuroscience. The typical program will include:

Physics: 13 and 14 (28 highly recommended)

Chemistry: 11, 12 and 21

Psychology: 26f (38 highly recommended)

Biology: 21, 30 and 35.

All majors will be expected to attend the neuroscience seminar, where topics of current interest are discussed. It is important that a prospective major consult with a member of the neuroscience advisory committee early in his academic career in order to determine his course selections and prospective seminar and honors work.

*Honors Program:* Candidates for the degree with honors should elect Neuroscience 77 and D78 in addition to the above program. An honors candidate may choose to do his senior honors work with any faculty member from the various science departments who is willing to direct relevant thesis work. The comprehensive examination will be administered by members of the advisory committee.

**77, D78. Neuroscience Honors.** The work consists of a seminar dealing with problems of current interest in neuroscience and the preparation of a thesis based upon an individual investigation under the direction of a faculty member.

Full course first semester. Double course second semester. The Committee.

**97, H97, 98, H98. Special Topics.** Independent Reading. Full or half course. First and second semesters.

## PHILOSOPHY

Professors Epstein, Kennick† and Pemberton (Chairman), and Visiting Professor G. Matthews; Assistant Professors Kearns and Spelman.

*Major Program.* Philosophy 17 and 18; at least six other courses within a major program approved by the Philosophy Department before the beginning of the second semester of the student's junior year; a comprehensive examination.

*Honors Program.* Philosophy 17 and 18; Philosophy 77 and D78; at least four other courses within a major program approved by the Philosophy Department before the beginning of the second semester of the student's junior year; a comprehensive examination. Early in the first semester of the senior year, each honors candidate will submit a thesis topic for approval of the Department and will present to a meeting of philosophy majors and members of the Philosophy Department a general discussion of his proposed thesis topic. Late in the same semester he will present to a similar meeting a draft of part of the thesis; this draft will have been distributed beforehand and will be discussed at this time. A draft of the entire thesis will be presented and discussed at a meeting during the week after Spring vacation. The thesis will be due on May 1.

*Comprehensive Examination.* Majors will take their comprehensive examination in the third week of the second semester of their junior year. The examination will consist of questions which are distributed to the student two weeks before the examination. Of the total number of questions, some number determined by the Philosophy Department will be answered by each student. The student may choose to do a wholly oral examination, a wholly written examination, or a partly oral and partly written examination. He will be required to present an oral explication of any part of his examination that is written. When necessary, the above procedures will be altered appropriately in the case of students who declare their philosophy major late.

## GROUP I

**11. Introduction to Philosophy.** Training in philosophical reasoning. Classical and contemporary authors, chosen to exemplify basic problems of philosophy, will be discussed. Three class hours per week.

†On leave first semester 1973-74.

## AMHERST COLLEGE

Elective for Freshmen. Each section limited to twenty-five students. First semester. Professors Epstein and Spelman.

**11s. Introduction to Philosophy.** Same course description as Philosophy 11.

Elective for Freshmen. Each section limited to twenty-five students. Second semester. Professor Kearns.

**13s. Introduction to Mathematical Logic.** This course will develop first-order predicate logic in sufficient detail to make clear the formal structure of logical systems, and to allow more or less formal expositions of some of the profound results of the logical researches of the Church, Gödel, Post, Skolem, Turing and others; e.g. the Undecidability and Completeness of first-order predicate logic, the Incompleteness of elementary number theory. These, and still further important results, will be brought to bear on such matters as the characterization of arithmetic truth, the inherent limitations of the axiomatic method, what can and cannot be expected of calculating machines, and the relations between model theory and proof theory. Three class hours per week.

Elective for Freshmen. Second semester. Professor Epstein.

**17. History of Ancient and Medieval Philosophy.** A survey of European philosophy from 600 B.C. to A.D. 1400, with emphasis on Plato, Aristotle, the Stoics, Epicureans, and Skeptics, Plotinus, Augustine, Anselm, Abelard, and Aquinas. Reading and discussion of selected works of the period. Three class hours per week.

Elective for Freshmen. First semester. Professor Matthews.

**18. History of Early Modern Philosophy.** A survey of European philosophy from 1400 to 1800, with emphasis on Bacon, Hobbes, Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume, and Kant. Reading and discussion of selected works of the period. Three class hours per week.

Elective for Freshmen. Second semester. Professor Kennick.

**19. History of Nineteenth and Twentieth Century Philosophy.** A survey of European philosophy from 1800 to the present, with emphasis on Hegel, Mill, Schopenhauer, Marx, Kierkegaard, Nietzsche, Husserl, Heidegger or Sartre, Russell, and Wittgenstein. Reading and discussion of selected works of the period. Three class hours per week.

Requisite: Philosophy 18 or the consent of the instructor. Elective for Sophomores. First semester. Omitted 1973-74. Professor Kennick.

## GROUP II

**21. Topics in Philosophy.** This course surveys (a) the work of one philosopher, or (b) a period or school of philosophy, or (c) the basic historical writings in a subject not taught in regular courses. This course may be repeated for credit by permission of the Department.

In 1973-74, the topic will be Pragmatism.



## PHILOSOPHY

**Requisite:** Permission of instructor. (Suggested: one philosophy course from Group I passed with at least a C). Elective for Freshmen. First semester. Professor Epstein.

**21s. Topics in Philosophy.** This course is devoted to the study of one work of social philosophy, or one social philosopher, or one school of social philosophy. This course may be repeated for credit by permission of the Department.

In 1973-74, selected topics in medical ethics.

**Requisite:** Permission of instructor. (Suggested: one philosophy course from Group I passed with at least a C). Elective for Freshmen. Second semester. Professor Kearns.

## GROUP III

**31s. Aesthetics.** A critical examination of selected theories of the nature of art, expression, creativity, artistic truth, aesthetic experience, interpretation and criticism. Special emphasis is placed on the thought of modern philosophers and critics. Three class hours per week.

**Requisite:** Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Professor Kennick.

**32. Metaphysics.** A critical examination of selected metaphysical theories in the light of the arguments used to support them. The topics of sample theories include: appearance and reality; sense-data; solipsism; space, time, and infinity; universals; the existence of God; the nature of mind.

**Requisite:** Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Professor Spelman.

**Philosophy of Religion.** See Religion 33.

**Requisite:** Permission of the instructor. (Suggested: Philosophy 11 and either Philosophy 17 or Religion 16.) Elective for Sophomores. First semester. Omitted 1973-74. Professor Pemberton.

**34f. Ethics.** A critical examination of representative types of ethical theories (e.g., the ethical theories of Aristotle, Hobbes, Hume, Kant, Mill, Ross, and Sartre) with emphasis on the following topics: (i) social conventions and morality; (ii) moral ideals and moral duties; (iii) self-interest and morality; (iv) relativism and absolutism; and (v) subjectivism and objectivism.

Elective for Freshmen. First semester. Professor Kearns.

**35. Epistemology.** A treatment of traditional problems concerning the nature and acquisition of knowledge.

**Requisite:** Permission of instructor. (Suggested: two philosophy courses passed with a least a C.) Elective for Sophomores. First semester. Professor Spelman.

AMHERST COLLEGE

GROUP IV

**48. Philosophy of Science.** In what sense, if any, is Scientific Objectivity possible? The 'standard objectivist' view will be developed from the writings of Nagel, Popper and Scheffler on the distinction between the observational and theoretical levels in science, experimental and theoretical laws, deductive and non-deductive explanation, the reduction of theories. The assault upon the possibility of Scientific Objectivity will be developed from the writings of Kuhn, Hanson, Feyerabend and Polanyi on the theory-laden character of observation, critical meaning-shifts induced by changes in theory, the role of "passionate, personal, human appraisals of theories" in the logic of justification and the logic of discovery.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Professor Epstein.

**61. Seminar in Philosophy.** An examination of the forms and limits of judicial discretion in connection with some of the traditional issues of analytical jurisprudence; e.g., the structure, identity, and existence of legal systems, legal reasoning, and the various connections between law and morality. Selected writings of Bentham, Austin, Holmes, Llewellyn, Fuller, Hart, Dworkin, Raz, and others will be critically examined.

Requisite: Permission of instructor. (Suggested: three philosophy courses passed with at least a C). Elective for Juniors. First semester. Professor Kearns.

**62. Seminar in Philosophy.** The Concept of a Person. What are persons? What makes something a person? What are the criteria of personal identity? Does it make sense to suppose that one man or one woman is many persons? Do we mean the same thing by "person" as we do by "human being" or by "self"? Are we obliged to act toward persons in ways in which we are not obliged to act toward things which are not persons?

Requisite: Permission of instructor. (Suggested: three philosophy courses passed with at least a C). Elective for Juniors. Second semester. Professor Spelman.

**77. Conference Course.** Required of candidates for honors in philosophy. The writing of an original essay on a topic chosen by the student and approved by the Department.

Elective for Seniors. First semester. The Department.

**D78. Conference Course.** Required of candidates for honors in philosophy. A continuation of Philosophy 77. A double course.

Elective for Seniors. Second semester. The Department.

**97. Special Topics.** Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department.

Requisite: Permission of the instructor. First semester.

## PHYSICAL EDUCATION

98. **Special Topics.** Independent Reading Course. Same as Philosophy 97.

Requisite: Permission of the instructor. Second semester.

## PHYSICAL EDUCATION

Professors Dunbar, McCabe (Chairman), Ostendarp and Wilson; Associate Professors Mehr, Serues and Thurston; Assistant Professors Gooding, Littlefield and Stovall.

There is a required freshman physical education program consisting of two of the four units offered during the year. The upper-class physical education program is elective, and there is also an adapted, individually structured program for special students.

Two types of classes are offered: the *Instructed Activity Class* with the emphasis on instruction of basic skills and strategy, and the *Organized Recreational Classes*, which are primarily intended for students who already possess a degree of skill in the activity and wish to play the sport recreationally.

The overall program emphasizes individual activities which have a carry-over value for life-long recreational pursuits. Some team sports are also offered but are emphasized more in an open campus intramural program.

Some of the courses offered in physical education are: Archery, Basketball, Conditioning, Creative and Folk Dance, Fencing, Recreational Golf, Scuba, Skating, Softball, Squash, Swimming, Tennis, Touch Football, Volleyball, White Water Canoeing, and Yoga.

A detailed statement concerning the Department's program is available from the Department of Physical Education.

## PHYSICS

Professors Bensont, Dempsey (Chairman), Gordon, Romer\*, and Towne; Assistant Professors Tinker, Valberg, and Verosub.

*Major Program.* The minimum course requirements for a major in physics are as follows: Mathematics 11, 12, 21; Physics 13, 14, 23, 26, 27, 28 and 36.

\*On leave 1973-74.

† On leave first semester 1973-74.

## AMHERST COLLEGE

In addition, all physics majors will attend the Physics Seminar during their junior year, and will participate actively in it in the senior year. Majors will be required to demonstrate ability in computer programming on the College's IBM 1130 or on the APL terminals of the CDC 3600 at the University of Massachusetts. Students should consult the Department for information concerning the various ways this requirement can be satisfied. Senior majors must pass a written comprehensive examination.

*Honors Program.* The course requirements for a major with honors are the specific courses listed above, plus Physics 58, 77 and 78. (For students intending to make a career in physics, Physics 73 and 75 and at least one additional mathematics course are strongly recommended.) At the end of the first semester of the senior year, the student's progress on his honors problem will determine the advisability of his being allowed to continue the honors program.

Any student considering a major in physics should seek the advice of a member of the Department as early as possible in order to work out a program best suited to his interest and ability, whether he is considering a career in physics, engineering, secondary school science teaching, one of the inter-science fields such as geophysics or biophysics, or a non-scientific career. Mathematics 11 should be taken during the first semester of freshman year by anyone contemplating an honors major, and in any event no later than the second semester. Prospective physics majors should plan to take Physics 26 at the earliest convenient time. It should be noted that, at the discretion of the instructor, stated prerequisites may be waived if warranted by individual circumstances. Students interested in majoring in biophysics should consult the separate biophysics listing.

The aim of honors work in physics is to provide an opportunity for the student to develop under faculty direction his ability and interest in individual investigation, and his skill in experimental or theoretical techniques. The primary fields of experimental research in progress in the department are low temperature physics, nuclear magnetic resonance, geomagnetism, environmental studies, mass spectrometry and oceanography. In addition, however, experimental equipment is available for work in some phases of magnetism, x-rays, optics, electronics, and atomic and nuclear physics. The student is given facilities to review the literature in the field chosen, to design, construct, and assemble his experimental equipment, to perform experiments, and finally to prepare a thesis, which is due in May. During the spring, he will also present his work in the Physics Seminar, and at the end of the second semester, he will take an oral examination, in addition to the written comprehensive examinations required of all physics majors (see above). This oral examination is devoted primarily to the student's thesis and to questions suggested by his work on the written comprehensive examinations.



The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive and oral examinations.

---

Physics 11 and Physics 12 have been designed to provide non-science majors with an understanding of the revolution in physical concepts that has occurred in this century. Although both courses are necessary to obtain a complete picture, either may be taken separately with benefit. No previous experience in physics is necessary. The level of mathematics expected of the student is high school algebra.

**11. The Rise of Twentieth Century Physics.** An investigation of Special Relativity, in particular how the failure to detect absolute space forced upon the physicist a revision of most of his ideas concerning space and time. Three class hours per week and occasional laboratories.

Elective for Freshmen. First semester. Professor Dempsey.

**12. The Rise of Twentieth Century Physics.** A brief survey of General Relativity (Equivalence Principle, Mach's Principle), followed by the background and development of Quantum Mechanics (Wave-particle duality, Indeterminism). Three class hours per week and occasional laboratories.

Elective for Freshmen. Second semester. Professor Dempsey.

**Colloquium in Modern Experimental Science.** See Colloquia, p. 197.

**Requisite:** Permission of the course chairman: Elective for Juniors and Seniors who have completed at least three semester courses toward a major in biology, chemistry, geology or physics. Limited to fifteen students. Second semester. Professors Benson (Chairman), Brophy, Fisher, Godchaux, Hove, Tinker, Valberg, and Waggoner.

**13. Introductory Physics.** A coherent and unified analysis of the motion of objects and the causes of motion. From Newton's laws of motion and the conservation of linear momentum an integrated mathematical framework is synthesized for investigating linear motion, rotational motion, universal gravitation, and Bohr's theory of the hydrogen atom. The conservation principles for linear momentum, angular momentum, and energy are carefully characterized and then used to provide elegant simplification in specific problems of motion. Emphasis is placed on the fundamental nature and wide applicability of Newtonian mechanics. Four hours of lecture and discussion and one three-hour laboratory per week.

**Requisite:** Mathematics 11 or its equivalent. Elective for Freshmen. (Students who have not had high school physics should consult with the Department and may be advised to take some other science course before entering Physics 13.) First semester. Professors Towne and Verosub.

## AMHERST COLLEGE

**13s. Introductory Physics.** Same course description as Physics 13.

Second semester. Professor Valberg.

**14. Introductory Physics (second part).** Development of elementary field concepts of electricity and magnetism; simple d-c and a-c electrical circuits. Transient and steady-state response of both mechanical and electrical resonant systems. Four hours of lecture and discussion and one three-hour laboratory per week.

Requisite: Physics 13 or 13s. Elective for Freshmen. Second semester. Professor Gordon.

**14f. Introductory Physics (second part).** Same course description as Physics 14.

First semester. Professor Tinker.

**Colloquium in Environmental Chemistry and Physics.** See *Colloquia*, p. 197.

Enrollment is limited; permission of the instructors required. Second semester. Professors Fink and Yost.

**18. Science and Technology in Contemporary Society.** A study of science and technology and their impact on contemporary American politics and society. Topic areas: the nature of science and technology; the interplay of politics and technology; theories of the evolution of technological societies; alternative public policies dealing with technology. Such concepts as "alienation," "erosion of intermediate institutions," "end of ideology," and "the emergence of post-industrial society" will be examined. The interaction of science and politics will be examined in case studies concerning the military-industrial complex, ecology, and education.

Elective for Sophomores. Limited to fifteen students. Second semester. Professor Tinker.

**The Natural Science of the Human Organism.** See *Colloquia*, p. 198.

Requisite: Satisfactory performance in a previous college-level natural science course. Physics 13 and 14 are strongly recommended for an in-depth approach to the subject. Alternate qualifications such as a high-school physics, chemistry, or biology course should be discussed with the instructors. First semester. Omitted 1973-74. Professors Karfunkel and Valberg.

**23. Modern Physics.** Relativistic kinematics and dynamics: Lorentz transformation, conservation laws of momentum and mass-energy, the Lorentz force law. Photons: the photoelectric and Compton effects, pair production. Matter waves: the de Broglie relation, Bragg reflection, Heisenberg's uncertainty principle. Particle detectors and accelerators. Nuclear structure: Alpha, beta and gamma decay, discovery of the neutron and the neutrino, natural radioactivity. Lectures three hours a week. Seven experiments will be performed during the course of the semester.

## PHYSICS

**Requisite:** Physics 14. Elective for Sophomores. First semester. Professor Gordon.

**26. Mechanics.** Newtonian mechanics of particles and systems of particles, including rigid bodies. Elementary vector analysis and potential theory, central forces, the two-body problem, collisions, moving reference frames, and—time permitting—an introduction to Lagrangian methods are discussed. Special emphasis is placed on oscillatory phenomena. Four class hours per week.

**Requisite:** Physics 14 or 14f, Mathematics 21 or 21s. Elective for Sophomores. Second semester. Professor Benson.

**27. Wave Phenomena.** General characteristics of wave motion approached through the wave equation and the solution to boundary value problems. Energy relationships, diffraction, interference, reflection, refraction and polarization. Normal modes and eigenfunction expansions. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its application in the two fields. Four class hours per week and occasional laboratories.

**Requisite:** Physics 14 or 14f, Mathematics 21 or 21s, Physics 26, or consent of the instructor. Elective for Sophomores. First semester. Professor Dempsey.

**28. Electrical Measurements and Electronics.** Laboratory work dealing with electrical and magnetic measurements, d-c, and a-c circuits, transistor electronics, and microwave measurements. Emphasis is placed on actual laboratory investigation, with special attention to transistor circuits. In special cases experiments may be selected to fit the needs of individual students. Two hours of lecture and two three-hour laboratories per week.

**Requisite:** Physics 14 or 14f. Elective for Sophomores. Second semester. Professor Tinker.

**28f. Electrical Measurements and Electronics.** Same course description as Physics 28.

Elective for Sophomores. First semester. Professor Valberg.

**36. Quantum and Thermal Physics.** Blackbody radiation. Wave-particle duality and Heisenberg uncertainty principle. Basic postulates of Quantum Mechanics. Schroedinger equation and wave functions. Solutions for one dimensional systems. Introduction to thermodynamics and statistical physics. Application of Quantum Mechanics to atomic and solid state physics. Lectures three hours a week. Seven experiments will be performed during the course of the semester.

**Requisites:** Physics 23, 26, 27, or equivalents. Elective for Juniors. Second semester. Professors Verosub and Dempsey.

**58. Electromagnetic Theory.** A development of Maxwell's electromagnetic field equations and some of their consequences. Electrostatics, potential

## AMHERST COLLEGE

theory, static magnetic fields, macroscopic theory of dielectric and magnetic materials, Poynting's theorem, electromagnetic waves, radiation from an accelerated charge. Four class hours per week.

Requisite: Physics 26. Second semester. Professor Towne.

**73. Analytical Dynamics and Wave Mechanics.** Lagrangian and Hamiltonian formulations of classical mechanics. Calculus of variations and Fourier integral analysis. Quantum mechanical expectation values, Ehrenfest's theorem, uncertainty principles. Eigenfunctions of square potentials, harmonic oscillator, hydrogen atom. Four class hours per week.

Requisites: Physics 36. Elective for Juniors. First semester. Omitted 1973-74.

**75. Thermodynamics and Statistical Mechanics.** First, second and third laws of thermodynamics with applications to various physical systems. Phase transitions. Applications to low temperature physics, including superconductors and liquid helium. Introductory kinetic theory and statistical mechanics. Applications of Fermi-Dirac and Bose-Einstein statistics. Four class hours per week.

Requisites: Physics 36, or consent of instructor. First semester. Professor Tinker.

**77. Honors Course.** Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work.

Designed for honors candidates, but open to other advanced students with the consent of the Department. First semester. The Department.

**78, D78, Honors Course.** Same course description as Physics 77. A single or a double course.

Requisite: Physics 77. Second semester. The Department.

**97, H97, 98, H98. Special Topics.** Independent Reading Course. Full or half course.

First and second semesters.

## POLITICAL SCIENCE

Professors Kateb (Chairman), and Ziegler; Associate Professors Arkes and W. Taubman; and Assistant Professor Tiersky. Professor Emeritus Latham, Distinguished College Lecturer.



## POLITICAL SCIENCE

*Major Program.* A major in political science consists of nine courses in political science. Political Science 11 or 11s is a prerequisite for all majors.

There are four major study areas within the Department as follows: American government, comparative politics, international relations, and political theory. The *basic courses* in each of these divisions are, respectively, Political Science 21; Political Science 25; Political Science 26; and Political Science 28.

*Rite majors* are required to take Political Science 76 in their senior year.

All majors in political science may be required to pass a comprehensive examination in political science. This examination will cover the discipline as a whole and will be written or oral or both written and oral as the Department may prescribe.

*Honors Program.* The honors program is designed to provide qualified students in political science with full opportunity for independent research and writing. Candidates for honors in political science will take Political Science D77 and 78. A cumulative average of 9 is required for admission to the honors program.

**11. Introduction to Political Science.** A study of the place of politics in human life. Attention will be given to such topics as the relations between politics and human nature, the use of politics in achieving real and unreal ends, and the reasons political style and methods vary. Three class meetings per week.

First semester. Professor Kateb.

**11s. Introduction to Political Science.** Same description as above.

Second semester. Professor Kateb.

**21. American Government.** An introduction to the major problems of American democracy; their political, economic and social implications and their historical evolution. Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Four class meetings per week.

First semester. Professor Ziegler.

**25. Comparative European Politics.** An examination of the government and politics of three European political systems: Great Britain, France, and the Soviet Union. Attention is given to the manner in which the formal institutions of government influence, and are influenced by, changing social, economic and cultural conditions. The political aspects of such problems as the concentration of economic power, the growth of the Welfare State and an industrial society, the decline (or persistence) of class distinctions, the growth of bureaucratic influence are discussed in a comparative setting. Three class meetings per week.

First semester. Professor Tiersky.

AMHERST COLLEGE

**26. World Politics.** International conflict and cooperation in historical and contemporary perspective. The struggle for power, the search for order and the limits of each. Special attention will be given to the making of American foreign policy, and to the role of the United States in contemporary world affairs. Three class meetings per week.

Second semester. Professor Taubman.

**27s. Communism and Soviet Politics.** Theory and practice. Ideology and utopia. Totalitarianism and modernization. Marxism, Leninism, Stalinism, Revisionism. The course will be centered around an examination of Soviet politics, but will make reference as well to East European, Chinese and Cuban developments. Two meetings per week.

Second semester. Professor Taubman.

**28. Political Theory from Hobbes to the Present.** A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Three class meetings per week.

Second semester. Professor Kateb.

**31. Politics and Parties.** An analysis of the place of the political party in the modern political system. Primary emphasis is given to party as a factor in defining the character of the political regime: party as a reflector and modifier of legal institutions; the effect of party on voting and legislative behavior; the relations among parties, bureaucracy, and outside groups; the economic and social consequences of party structure. The principal focus will be on American politics, but comparative materials will also be drawn from European and non-Western countries. In election years, classroom work will be supplemented by participation in a political campaign. Three class meetings per week.

First semester. Professor Arkes.

**32. Urban Politics.** The city as a theater of politics, which may raise in a sharper form some of the older questions of political theory. The course is organized around the axes defined by the tension between the city as marketplace and the city as polity: the scene of diversity and rich personal choice, against the claims of community and political obligation; the insistence on libertarianism and personal option, against the commitments to welfare and racial integration; the confrontation of groups and the restraints of civility; the toleration of difference and the regulation of vice. In following out the implications of the argument, the course will deal also with power structures and political machines; urban disorders; and the problems of education and housing.

Requisite: Consent of the instructor. Not open to Freshmen. Second semester. Professor Arkes.

**33s. Public Opinion.** An exploration of public opinion in its distinctly political aspects: public opinion as regulating the scope of the political system; the relation between opinion and authority; the tests and contents that

## POLITICAL SCIENCE

make some opinions more justified in ruling. Attention will be devoted to the measurement of opinion; the influence of demographic factors; the impact of small groups, the media, and voluntary associations. Opinion surveys will be combined with writings on political theory; and there will be some consideration also of the empirical commitments that may arise from using the language of "public opinion" and "public interest" in political discourse. Classroom work plus participation in the design, administration, and analysis of an opinion survey. Three class meetings per week.

Second semester. Omitted 1973-74. Professor Arkes.

**41. American Constitutional Development.** The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of nineteenth century capitalism, constitutional problems of federal and state regulation, civil liberties in the twentieth century, the constitutional crisis of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Three class meetings per week.

First semester. Professor Latham.

**42f. Administrative Law.** An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibilities for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three class meetings per week.

Limited to twenty-five students. First semester. Omitted 1973-74. Professor Ziegler.

**43s. Bureaucracy and Modern Society.** Bureaucracy as the center of the problem of politics in modern society. Topics will include bureaucracy as a system of domination; the social preconditions and consequences of bureaucratization; the relation of administrative agencies to interest groups and political parties; and the administrative structure as a reflection of the culture and the political regime. Case studies on American bureaucracy will be used as a basis for cross-national comparisons. The inquiry will respond to the concerns about bureaucratic power and social organizations that have been raised by such writers as Marx, Weber, Tocqueville, and Gandhi, as well as contemporary social scientists. Three class meetings per week.

Second semester. Professor Arkes.



AMHERST COLLEGE

**44. Politics in Developing Nations.** An examination of the role of politics in the process of modernization in the developing nations, with special emphasis on Africa. Particular attention is given to such topics as the legacy of colonialism, the fragmenting and integrating influences of traditionalism and nationalism, the strengths and weaknesses of the single party system, the importance of elites and ideologies, the role of the military and bureaucracy, the problems of managing economic development, and the sources of stability and revolution. Three class meetings per week.

Second semester. Professor Tiersky.

**46. International Law.** The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four class meetings per week.

Second semester. Professor Ziegler.

**47s. Political Freedom under the Constitution.** The philosophy and law of the First Amendment and other provisions of the Constitution relating to the powers of the people, and their importance in effecting social change. Topics will include the principles of free expression and association; advocacy of social change and membership in subversive organizations; loyalty oaths and other security measures; the weight to be given the values of law and order in sit-ins, symbolic speech, mass protests and demonstrations; legislative investigations of political beliefs; racial discrimination and equal protection; the franchise, apportionment, and poll taxes; the freedom of the press and the "right of the people to know"; criticism of public officials; official secrecy and official surveillance; and emerging rights of privacy, travel, and dissent. The reading will include Supreme Court cases, and historical materials on the Alien and Sedition Acts, civil liberties during the Civil War and the two world wars, Red scares after the two world wars, McCarthyism, the Cold War, and the Supreme Court. Three class meetings per week.

Second semester. Professor Latham.

**48. American Political Thought.** A study of some of the major political ideas which have been formulated in response to American conditions from colonial times to the present. Connections with European thought will also be discussed. Three class meetings per week.

Second semester. Omitted 1973-74. Professor Kateb.

**49. Political Theory from Plato to Machiavelli.** A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Readings and discussion. Three class meetings per week.

First semester. Omitted 1973-74. Professor Kateb.



## POLITICAL SCIENCE

**52. Problems in Public Policy and Administration.** Selected topics in public policy and administration. Conference course.

Limited to twenty-five students with the consent of the instructor. Second semester. Omitted 1973-74. Professor Arkes.

**54. Problems of Political Change and Political Order.** The political means for managing major processes of change in contemporary societies are examined in a comparative perspective. Intensive study of a single broad topic, varying from year to year. The special topic for 1974 will be "Political Leadership." Consideration may be given, according to the interests of the seminar members, to such topics as political biography, the psychology of leadership and psychoanalytic interpretations of politics, charisma and personalism in the politics of modernization, elitism, crisis leadership, social origins and the recruitment of party leadership, leadership style and its relationship to its group or institutional context.

Limited to fifteen students, with the consent of the instructor. Second semester. Professor Tiersky.

**57. Problems of International Politics.** Intensive study of a single topic, varying from year to year. The topic for 1973 will be "Comparative Foreign Policy-Making: USA/USSR."

Admission with the consent of the instructor. First semester. Professor Taubman.

**59. Contemporary Political Thought.** A study of some of the major writers who have tried to come to terms with the political features of modernity. Among those read are the radical romantics; the existentialists; the inheritors of Marx and Freud; and the positivists and their enemies. Conference course.

Admission with the consent of the instructor. First semester. Professor Kateb.

**76. Senior Rite Seminar.** The subject of the course in Spring 1974 will be "Criminal Justice in America." Other students than *rite* majors may also take the course with the consent of the instructor.

Second semester. Professor Ziegler.

**D77-78. Honors Course.** Double course, full course: totaling three full courses.

Elective for Seniors who have satisfied the necessary requirements. First and second semesters. The Department.

**97. Special Topics.** Independent Reading Course in "Adjudication of Social Issues."

First semester. Professor Ziegler.

**98. Special Topics.**

Second semester.

## PSYCHOLOGY

Professors Coplin and Olver (Chairperson); Associate Professor Grose‡; and Assistant Professors Heyduk, Sorenson, and Weigel.

*Major Program.* Students majoring in psychology are required to elect eight full courses in psychology. On occasion, in consultation with the department, a student may include one or two courses in closely allied fields in his major program.

Psychology 11 is required of all majors. Psychology 22 and 23 (or comparable research experience) are strongly recommended for all majors and are required of honors students.

All senior psychology majors are expected to attend the senior seminar which will explore contemporary topics in psychology. The comprehensive examination given to all majors during the senior year will be planned in conjunction with this seminar.

*Honors Program.* Honors work consists of conducting a research project and taking an oral examination based upon a written thesis. Honor students elect Psychology 77 and 78 (or D78) during the senior year and must have completed Psychology 22 and 23 (or comparable research project) before the end of their junior year.

**11. Introduction to Psychology.** An introduction to the nature of psychological inquiry considering behavior and experience from psychobiological, behavioristic, cognitive, psychodynamic, humanistic, and social perspectives. The class will meet as a whole for lectures and in sections for seminar discussions.

Elective for Freshmen. First semester. The Department.

**11s. Introduction to Psychology.** Same course description as Psychology 11.

Elective for Freshmen. Second semester. Omitted 1973-74.

**20. Social Psychology.** The individual's behavior as it is influenced by other people and by the social environment. The semester will begin with a rather thorough consideration of the philosophy of science, the history of social psychology, and the methods of inquiry used by psychologists and other social scientists. With this as a base, the emphasis will be on understanding

‡On leave second semester 1973-74.

## PSYCHOLOGY

individual behavior in a social context by attending to such issues as socialization, conformity, attitude formation and change, interpersonal and intergroup relations, and group behavior.

**Requisite:** Psychology 11. Elective for Freshmen. Second semester. Professor Weigel.

**21. Personality.** A consideration of the theory and research directed at understanding those characteristics of the person which are related to his distinctive ways of experiencing and behaving. Prominent theoretical perspectives on personality such as psychoanalytic theories, social learning theories, self theories, and field theories will be examined. The latter part of the semester will explore the logic, methods, and problems associated with personality assessment by projective and non-projective techniques.

**Requisite:** Psychology 11. Elective for Sophomores. First semester. Professor Weigel.

**22. The Psychology Experiment. I: Methodology.** An introduction to and critical consideration of experimental methodology in psychology. Topics will include the formation of testable hypotheses, the selection and implementation of appropriate procedures, the statistical description and analysis of experimental data, and the interpretation of results. Articles from the experimental journals and popular literature will illustrate and interrelate these topics and provide a survey of experimental techniques and content areas.

**Requisite:** Psychology 11 or consent of the instructor. Elective for Freshmen. Second semester. Professors Denton and Heyduk.

**23. The Psychology Experiment. II: Practicum.** Students will select and complete an original experimental project culminating in a journal-style report. In addition, advanced topics in research design and quantitative methods will be considered, especially as appropriate to the individual projects.

**Requisites:** Psychology 11 and 22. Elective for Sophomores. First semester. Omitted 1973-74. Professors Denton and Heyduk.

**Colloquium in Sex and Politics.** The Impact of Sex on Power and Influence in Society. See Colloquia, p. 198.

**Requisite:** Introductory level courses in political science and psychology. Admission by consent of the instructors. Elective for Juniors. Limited enrollment. First semester. Professors Bourque (Smith), Grossholtz (Mount Holyoke), and Olver (Amherst).

**24f. Perception and Cognition.** An introduction to the phenomena, methodology, and theories of private experience and its relationship to overt behavior. Laboratory work will be included.

## AMHERST COLLEGE

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Heyduk.

**25s. Animal Learning.** A consideration of the phenomena of animal learning and the application of this knowledge to the understanding and control of human behavior. Topics include classical conditioning and instrumental learning, punishment and aversive behavior, and theories of reinforcement. Psychology 11 and 22 are strongly recommended.

Elective for Freshmen. Second semester. Professor Sorenson.

**26f. Physiological Psychology.** A broad-based introduction to the neural bases of animal and human behavior. Included are topics such as sensory and motor processes, motivation and emotion, and learning and memory. Class supplemented by laboratory experience. Psychology 11 and 22 are strongly recommended.

Elective for Freshmen. First semester. Professor Sorenson.

**27s. Developmental Psychology.** A study of human development with emphasis upon the general characteristics of various stages of development from birth to adolescence and upon determinants of the developmental process.

Requisite: Psychology 11. Elective for Sophomores. Second semester. Professor Olver.

**28f. Abnormal Psychology.** A study of the etiology and psychodynamics of psychological deviance with a focus on the psychological diagnosis and psychotherapy of the behavior disorders.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Coplin.

**29s. Human Sexuality.** A study of the biological and psychological findings concerning the development and expression of sexuality.

Elective for Freshmen. Second semester. Professor Coplin.

**30. Philosophy of Psychology.** A consideration of the assumptions about man and the science of behavior underlying psychological thought and their influence upon experimental research and theory.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Omitted 1973-74. Professor Heyduk.

**31. Motivation.** An examination of various interpretations of the selection and organization of human action that have evolved from research in experimental psychology. Special emphasis will be given to several contemporary models for the behavior stream. Laboratory work will be included.

Requisite: Psychology 11 and 22, or the permission of the instructor. Elective for Sophomores. First semester. Omitted 1973-74. Professor Heyduk.

**34f. Educational Psychology.** A psychological analysis of the educational process. The course is designed both for prospective teachers and for those who have a general interest in the field of education.



## PSYCHOLOGY

Requisite: Psychology 11. Elective for Sophomores. Limited to fifteen students with the consent of the instructor. First semester. Professor Grose.

**35s. Comparative Psychology and Animal Behavior.** An analysis of animal and human behavior and its evolutionary significance from the ethological and comparative viewpoints. Prominent issues include the stimulus control of behavior, the concept of instinct as a determinant of behavior, and the role of basic drives in determining the behavior of man. Psychology 11 and 22 are strongly recommended.

Elective for Freshmen. Second semester. Omitted 1973-74. Professor Sorenson.

**36. Psycholinguistics.** Selected topics in the psychology of language focusing on the psychological processes involved in speaking and understanding language and the consequences of such processes for perception, thought, and behavior.

Requisite: Psychology 11 and the permission of the instructor. Elective for Freshmen. Limited enrollment. Second semester. Professor Olver.

**38. Psychopharmacology.** An introduction to the pharmacological analysis of behavior. Major emphasis will be placed on the actions of drugs on the central nervous system and consequently on behavior, and the use of drugs in animal experimentation as a powerful analytical tool.

Requisite: Physiological psychology and the consent of the instructor. Elective for Freshmen. Second semester. Professor Sorenson.

**41. Psychology Seminar.** Members of the department will occasionally offer seminars designed to give the student an opportunity to study a selected topic in depth.

First semester. Omitted 1973-74.

**42. Psychology Seminar.** Same type of course as Psychology 41.

Elective for Sophomores with the consent of the instructor. Second semester.

*1. THEORY OF PSYCHOLOGICAL COMPLEXITY.* Participants will examine in detail a current theory of choice behavior and hedonic tone, and will explore its applications to a wide variety of experimental psychological topics. Requisite: Psychology 11. Professor Heyduk.

*4. CONTEMPORARY ISSUES IN SOCIAL PSYCHOLOGY.* A detailed consideration of some contemporary areas of research and interest in social psychology. The initial part of the semester will focus on methodological issues such as experimental design, quasi-experimental design, and survey methods as applied to social psychological research. Articles illustrating the use of these various methodological approaches will be discussed and critically evaluated by the students. The remainder of the semester will be spent examining substantive issues. These new directions in social psychology include attitude change, the attitude-behavior prob-

## AMHERST COLLEGE

lem, race relations, the effects of the mass media, and the ethics of research with human subjects. Requisite: Psychology 11. Professor Weigel.

**44. Group Process and Behavior Change.** A number of theories of group functioning will be examined, including the works of Freud, Moreno, Bion, Rogers, Berne, and Perls. Special emphasis will be placed on attempts to use group functioning to induce behavior change as in the group therapies, sensitivity training, encounter, and marathon groups. During the spring semester of 1974, the special project will be black-white encounter. We will explore the relevance of various group methods for the resolution of black-white conflicts and the facilitation of communication.

Requisite: Psychology 11. Elective for Freshmen with the consent of the instructor. Second semester. Professor Coplin.

**77, 78 or D78. Senior Honors Course.** Elective for senior majors in psychology who have received departmental approval. First and second semesters.

**97, H97; 98, H98. Independent Study or Research.** This course is open to qualified students who desire to engage in independent reading on selected topics or conduct research projects. Preference will be given to those students who have done good work in one or more departmental courses beyond the introductory level. A full course or a half course.

Elective for Juniors with the consent of the instructor. First and second semesters.

## RELIGION

Professors Mudge\* and Pemberton; Visiting Associate Professor Finkel; Assistant Professors Thurman and Wills.

*Major Program.* Majors in Religion are required to take Religion 11, Introduction to the Study of Religion, and seven additional semester courses in Religion or related studies approved by the Department.

All majors are required, early in the second semester of the senior year, to take the comprehensive examination in Religion which will deal with the history and phenomenology of religious traditions, and selected topics from the fields of Bible, religious ethics, historical theology and philosophy of religion. Further information may be obtained from the members of the Department.

\*On leave 1973-74.

## RELIGION

*Honors Program.* Honors in Religion shall consist of Religion 11, 52, and the thesis courses, Religion 77 and D78, plus four additional semester courses in Religion or related studies approved by the Department; satisfactory fulfillment of the general honors requirements of the College; satisfactory performance in the comprehensive examination; and the satisfactory preparation and oral defense of a scholarly essay on a topic approved by the Department.

**11. Introduction to the Study of Religion.** The course is an attempt to gain insight into the phenomenon of religious experience through an analysis of the structure and dynamics of religious consciousness and religious activity by a comparative and cross-cultural examination of the Scriptures, confessional and theological literature, rites, artifacts, and institutions of contemporary religions.

Topic in 1973: The Catholic Christian and Gelugspa Buddhist traditions. The study will proceed through a consideration of the Johannine texts on agape (love), the Roman Eucharistic Rite, and the reflections of saints, such as Augustine and John of the Cross, as well as present-day followers of Catholic Christianity; and by consideration of the fundamental formulations of the Mahayana path in the *Vimalakirtinirdesa* and the *Bodhicaryavatara*, the Tibetan ritual known as *Gurupuja*, and the reflections of masters such as Milarepa and Tson Khapa.

Elective for Freshmen. First semester. Professors Pemberton and Thurman.

**12. Asian Religions.** An introduction to the great religious traditions of India and China through careful study of the basic texts of Brahmanism-Hinduism, Buddhism, Confucianism, and Taoism, through analysis of the socio-historical processes interrelated with the evolution of the practices and ideas in the later forms of these religions, and through inquiry into the relevance of these traditions for modern developments in Asia and the West.

Elective for Freshmen. Second semester. Professor Thurman.

**16. The Western Religious Traditions.** An examination of the development of Jewish and Christian thought from the Talmud and the Church Fathers to the present. Readings will include selections from the Talmud, St. Augustine, Maimonides, St. Thomas Aquinas, Dante, the Reformers, and later Jewish and Christian writers.

Elective for Freshmen. Second semester. Professor Pemberton.

**21. The Old Testament.** Foundations of the Hebrew-Christian tradition in the history, literature, and thought of the Old Testament. Emphasis is placed both on the biblical materials themselves and on the varying methodologies of contemporary Old Testament interpretation.

First semester. Omitted 1973-74. Professor Mudge.



## AMHERST COLLEGE

**22f. The New Testament.** A comparative study of the Gospels, Acts and Pauline epistles, the Judaeo-Christian traditions and the Rabbinic teachings in the light of outside sources, including histories and recent findings. An exploration of the teachings of Jesus and the preaching of the church in their historical setting with reference to Post-Biblical Judaism and Eschatology. Emphasis is placed on contemporary criticisms and the examination of differences and similarities of Judaism and Christianity in their roots. Readings from the New Testament and Barrett's *New Testament Background*.

First semester. Professor Finkel.

**23. Tibetan Buddhism.** Examination of basic historical, devotional, and philosophical documents central in the mainstream of the Tibetan Buddhist tradition in an attempt to understand the Tibetan world-view, the main practices of the important schools in different periods, and the general depth and scope of the major Tibetan philosophers.

Requisite: Religion 12 or equivalent and permission of the instructor. First semester. Professor Thurman.

**24. Sociology of Religion.** A study of the interaction of culture (religious symbol system) and society. Examples from primitive, archaic, historic and modern societies. The problem of modernization, secularization, social change and the "Protestant Ethic" thesis will be reconsidered in the light of contemporary sociology (Bellah, Berger, Birnbaum, Eisenstadt, Geertz, Luckmann, Parsons, Shils). Readings, discussions, lectures, student reports.

Requisite: Sociology 11 or Religion 11 or consent of the instructor. Second semester. Omitted 1973-74. Professors Mudge and N. Birnbaum.

**32. Mysticism and the Moral Life.** Examination of autobiographical, theoretical, and devotional documents pertaining to inner piety and the search for God as a response to life in the twentieth century. Writings of Thomas Merton, Howard Thurman, Martin Buber, and Abraham Heschel will be discussed to explore the relation between the languages of Catholicism, Protestantism, and Judaism and an individual's sense of God's reality. Special attention will be given to a comparison of poetry and prayer, questions of symbolism and religious experience, and more generally to the bonds between esthetic, spiritual, and moral sensitivity.

Elective for Sophomores. Limited to fifteen Amherst students, with up to ten admitted from other colleges. Second semester. Professor Kaplan.

**33. Philosophy of Religion.** An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct.



## RELIGION

Requisite: Philosophy 11 and either Philosophy 17 or Religion 16 are suggested. Elective for Sophomores. First semester. Omitted 1973-74. Professor Pemberton.

**34. Religion in America.** An examination of the intellectual, institutional, and social history of religion in America, with attention both to the plurality of religious traditions (white Protestantism, Catholicism, Judaism, black religion) and to the elements of commonality ("civil religion").

Requisite: Religion 11 or consent of the instructor. Elective for Sophomores. Second semester. Professor Wills.

**35. Contemporary Religious Thought.** An examination of selected theological responses to the problems of relativism and skepticism as raised by modern research or the history of religions (especially Christianity). Emphasis will be placed on the problems raised for theological ethics by the multiplicity of religious traditions and the uncertainty of knowledge about the historical Jesus. Attention will be given to the treatment of these problems by Ernst Troeltsch, Albert Schweitzer, H. R. Niebuhr, and selected contemporary figures.

Requisite: Religion 11 or consent of instructor. Elective for Juniors. First semester. Professor Wills.

**36. Christian Ethics in Contemporary Context.** The social thought and action of modern Christian theologians and churchmen, in a setting characterized by the revolution in scientific technology, the revolutionary movements of the Third World, the intractability of international and intergroup hostilities, and the making of counter-cultures.

Requisite: Religion 11 or 16, or consent of the instructor. Elective for Juniors. Second semester. Omitted 1973-74. Professor Wills.

**39. Evolution of Jewish Thought.** The development of Judaism under the impact of successive environments from the Persian period to modern times. A review of the religious, literary, and cultural history of the Jews, with attention to theocratic and synagogal life, expressions of their faith, Rabbinic literature and thought, rationalism and emotionalism, messianism, and Jewish self-government. Selections from Baron and Blau (*Judaism*) and J. R. Marcus (*Jews in the Medieval World*).

First semester. Professor Finkel.

**52. Methodology in the Study of Religion.** Methods of interpreting religious phenomena; an examination of the problems of the integration of various disciplines (textual and art criticism, historical, sociological, psychological, and theological inquiry) to the study of religion. Topic in 1974: Reformation and Society in Sixteenth Century Europe.

Requisite: Elective for Juniors. Required of all junior majors in Religion. Second semester. Professor Pemberton.

## AMHERST COLLEGE

**Topics in Afro-American History. Black Religion in America.** See Black Studies 55.

Elective for Juniors. First semester. Professor Wills.

**62. Topics in Indian Philosophy.** An introduction to the millennium-long philosophical dialogue between the "Four Schools" of Buddhist Philosophy and the "Six Schools" of orthodox Indian Philosophy. The discussion will include inquiry into two representative problems: i) the relationship between the Abhidharmic theories of the first two Buddhist schools and the Vaisesika systematization of reality, and ii) the points of concord and disagreement between Madhyamika and Vedanta thinkers on the nature of superconsciousness and ultimate truth.

Requisite: Religion 11 or 12, Philosophy 11, or consent of the instructor. Second semester. Professor Thurman.

**Introduction to Black Religion and Cognition in Africa and the Americas.** See Black Studies 62.

Elective for Sophomores and Juniors. Second semester. Professor B. Matthews.

**75. Three College Seminar in Religion.** (Same course as Religion 300a, Smith, and Religion 390f, Mount Holyoke). Topic in 1973: Interpreting Hindu and Christian religion through the Bhagavad-gita and selected portions of the New Testament. One meeting a week. The seminar meetings will be distributed among the three campuses throughout the term.

Requisite: Senior standing and/or consent of one of the instructors. First semester. Professors Pemberton (Amherst), Yamashita (Mount Holyoke), and Hudson (Smith).

**77. Conference Course.** Required of candidates for honors in religion: Preparation and oral defense of a scholarly essay on a topic approved by the Department. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester.

Elective for Seniors with the consent of the instructors. First semester. The Department.

**D78. Conference Course.** Required of candidates for honors in religion: A continuation of Religion 77. A double course.

Elective for Seniors with the consent of the instructors. Second semester. The Department.

**97. Special Topics.** Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department. First semester. The Department.

**98. Special Topics.** Independent Reading Course. Same description as Religion 97. Second semester. The Department.

## ROMANCE LANGUAGES

Professors Carre (Chairman), Giordanetti, and Johnson; Associate Professor Pini; Assistant Professors Kaplan, Kent, and A. Ryerson; Mr. Maraniss, Mme Watkins and assistants.

### French

*Major Program.* The Department of French aims at flexibility and response to the plans and interests of the French major within a structure that affords diversity of experience in French literature and continuous training in the use of the language.

A major in French (both *rite* and honors) will normally consist of (a) eight courses within the Department or (b) six courses within the Department and two related courses chosen with departmental approval. All courses offered by the Department above French 5 may count for the major. The one rule of selection is that two of the six or three of the eight courses submitted for the major must be chosen from offerings in French literature before the nineteenth century.

Each major is encouraged to follow at least one independent reading course in the Department as part of his major program.

Upon request to the Department by students (majors or non-majors) a group seminar may be organized in any form and concerning any topic agreed upon by the participating students and teachers.

The minimum level of competence in the language for a French major is that represented by superior work in French 7 or by passage of a proficiency examination set by the Department, normally by the end of the sophomore year. To develop further his expressiveness and clarity in written French, the major must choose a) to take a special course in French stylistics; b) to take a literature course in which particular attention will be given to the written work of the French majors; or c) to meet regularly with a member of the Department to work on problems of writing.

The comprehensive program set by the Department in consultation with its majors will normally be completed by the end of the first semester of the senior year. All majors will elect French 77 and a Special Topics course toward completion of the program.

## AMHERST COLLEGE

*Honors Program.* In addition to the major program described above, a candidate for departmental honors must present a thesis and sustain an oral examination upon the thesis. He will normally elect D78 in the second semester of his senior year.

*Combined Majors.* Course programs for a joint major in French and Spanish or French and other languages are arranged by the student in consultation with the instructors in those languages.

*Interdisciplinary Majors.* Interdisciplinary majors are established through the College Committee on Interdisciplinary and Special Study with the endorsement and cooperation of the Department or with the approval of individual members of the Department.

*Foreign Study.* A program of study approved by the Department for a junior year in France has the support of the Department as a significant means of enlarging the major's comprehension of French civilization and as the most effective method of developing mastery of the language. Four Amherst French courses will be the minimum required for a major who has spent a junior year abroad.

*Placement in French language courses.* See individual course descriptions for placement indicators.

*Placement in French literature courses.* Unless otherwise specified, admission to courses in literature is granted upon satisfactory completion of French 5 or a course of equivalent level in secondary school French (Advanced Standing or a score of 600 in CEEB placement).

**1. Elementary Course.** Grammar, pronunciation, oral practice and reading. Three hours a week for explanation and demonstration, three hours a week in small sections and laboratory for oral practice. Prepares for French 3 or French 5.

Elective for Freshmen. For students without previous training in French. First semester. Mme Watkins and assistants.

**3. Intermediate Course.** Review of grammar and pronunciation; oral practice. Reading and analysis of literary texts. Three hours a week for explanation and demonstration, three hours a week in small sections and laboratory for drill in aural comprehension of the language. Prepares for French 5 and in certain cases for literature or advanced language courses.

Elective for Freshmen. For students with less than three years of secondary school French who score below 500 in the CEEB placement test. First semester. Mme Watkins and assistants.

**3s. Intermediate Course.** Same description as above.

Elective for Freshmen. Second semester. Mme Watkins and assistants.



## ROMANCE LANGUAGES

**5. Language and Literature.** An introduction to the critical reading of French literary and non-literary texts; a review of French grammar; training in composition, conversation, and listening comprehension. Reading will be drawn from significant short stories, plays, and poetry from the modern period, by Arab and African as well as French writers. The survey of different literary genres serves also to contrast several views of French culture. Films and conversation classes with native French assistants are an essential part of the program. Successful completion of French 5 prepares students for literature and advanced courses. Three hours a week in class and two hours of conversation with French assistants. Conducted in French.

Elective for Freshmen. For students with three or four years of secondary school French and a CEEB score between 500–600. First semester. Professor Kaplan and assistants.

**5s. Language and Literature.** Same description as above.

Elective for Freshmen. Second semester. Professor Carre and assistants.

**7. Composition and Conversation.** A review of French grammar with practice in set translation and free composition; oral reports and discussion on selected topics. Three hours a week of composition and two of oral practice.

Elective for Freshmen. For students who have completed French 5 or equivalent in secondary school French (Advanced Standing or a score of 600 in CEEB placement). First semester. Professor Pini and assistants.

**10. Phonetics and Prosody.** Theory and practice of French phonetics. Training in the reading of French literary texts and in the use of current spoken French with emphasis on the distinctions between the two modes of discourse. A study of the elements of French prosody. Conducted in French. Recommended for majors and advanced students in French. One and one-half hour seminar meeting a week with additional laboratory assignments and analysis of individual pronunciation in private tutorials.

Requisite: Limited to twelve students with consent of instructor. Second semester. Mme Watkins and assistants.

**11. Introduction to French Literature through the Seventeenth Century.** Reading and discussion of selected texts from *La Chanson de Roland* through the Age of Classicism. Conducted in French. Three hours of classroom work a week.

Elective for Freshmen. First semester. Professor Giordanetti.

**12. Introduction to French Literature since the Seventeenth Century.** Reading and discussion of selected texts. Concentration will be on the eighteenth and nineteenth centuries with, as time permits, some introductory materials from the twentieth century. Conducted in French. Three hours of classroom work a week.

Elective for Freshmen. Second semester. Professor Giordanetti.

## AMHERST COLLEGE

**13s. Major French Novelists.** Choice of novelists and works may vary each year. In 1973-74, selected works of Constant, Balzac, Flaubert, and Stendhal will be read and discussed in the context of the theme: the conflict of the individual's double relationship to himself and to the society. Particular attention will be given to the authors' critiques of society and their portrayal of the quest for personal identity. Conducted in French. Three hours of classroom work a week.

Elective for Freshmen. Second semester. Professor Carre.

**14. Advanced French Composition.** Extensive practice in writing in a variety of styles: free composition, creative writing, translation from English to French. Conducted in French. Three hours of class meetings a week.

Requisite: French 7 or its equivalent. Recommended for majors and advanced students. Elective for Freshmen with the consent of the instructor. Second semester. Professor Pini.

**15. Aspects of Modern Literature.** An introduction to modern French literature with emphasis on the ways in which reality is perceived by representative novelists and poets of the twentieth century: Giono, André Breton, Malraux, Camus, and Sartre; Paul Eluard, René Char, Aimé Césaire, and Léopold Senghor. Three hours of classroom work a week. Conducted in French.

Elective for Freshmen. First semester. Professor Carre.

**17. The Art of Textual Analysis.** Systematic analysis of style and its relation to content in significant literary texts from the sixteenth to the twentieth century. A revised *explication de texte* technique based on the findings of structural stylistics will be used as a foundation for the study of prose and poetry and as an introduction to research tools germane to each author and period. Other critical approaches will be sampled and evaluated. Our basic aim will be to train in the skill of close reading which can be applied to reading in many fields, as well as to develop an understanding of individual styles and their place in the development of French literature.

Requisite: One French literature course or permission of the instructor. First semester. Omitted 1973-74. Professor Kaplan.

**21. Baudelaire, Malraux, and Valéry.** Two poets and a novelist who were not only great artists, but thinkers of remarkable perception about the nature of art. The course will examine these two dimensions of each writer, the thinker, the artist, through their discursive and literary writings, both as ends in themselves, and to raise such questions as: Are the concerns of life divided into separate categories of "thought" and "feeling"? Does the form of one's art dictate what can be chosen as its content? Does the "artist" ever contradict the "thinker"? Among the subjects to be examined through this binocular vision will be love, nature, ethics; among the objects: poetry, painting, sculpture and dance.

## ROMANCE LANGUAGES

Requisite: At least one course in the visual or verbal arts. Elective for Juniors and Sophomores. First semester. Professor Ryerson.

**22. Literature of Indignation and Revolt.** An examination of the literature emerging from the various forms of twentieth century revolt in the French consciousness. The reaction to social injustice and to colonial exploitation will serve as the two axes of the course, but more philosophical approaches will be considered as well. Accordingly, Gide and Camus will be part of the reading, as well as Darien, Genet, Aimé Césaire, Fanon, and Nizan. Three hours of classroom work a week. Conducted in French.

Requisite: Elective for Freshmen and Sophomores with the consent of the instructor. Second semester. Professor Pini.

**25. French Literature of the Renaissance.** A study of *Gargantua, Pantagruel*, and *Le Tiers Livre* (in English) and the *Prologues* (in French) of Rabelais, with special emphasis on his comic techniques, his satire of the intellectual categories of the Middle Ages, and his promotion of Humanism. Representative poets from the Ecole de Lyon (Maurice Scève, Louise Labé, Pernette du Guillet), La Pléiade (Ronsard, du Bellay), and the poetry of d'Aubigné will be examined for their present literary value and as representations of important themes of the culture of the period. Finally, selected *Essais* of Montaigne will be read, with particular attention to his self-creation through literature. Conducted in French. Three hours of classroom work a week.

Requisite: An introductory course in French literature or consent of the instructor. Elective for Sophomores or Freshmen. First semester. Professor Kaplan.

**26. Dreamers and Realists.** Novels, short stories, works of sociological analysis, psychology and phenomenology of imagination will be studied in relation to the dialectic of dream and reality: the mysticism of Balzac; the realistic exploration of madness by Gérard de Nerval; the influence of the industrial revolution on the inner life of social classes by the Romantic historian, Jules Michelet. Also read will be essays by Gaston Bachelard, a twentieth-century philosopher of imagination, which describe and analyze the creative process. Conducted in French.

Requisite: An introductory course in French literature or consent of the instructor. Elective for Freshmen. Second semester. Professor Kaplan.

**27. French Classical Literature.** Tragic visions of man, society, and God. Selected tragedies of Corneille and Racine, works of Descartes, the *Pensées* of Pascal, and the *Maximes* of La Rochefoucauld will be read. Discussion will focus on their treatment of human passions, the relation of the individual to society and to God. The language and structure of the works will also be related to important ideological, esthetic, and theological issues of the time. Conducted in French. Three hours of classroom work a week.

First semester. Omitted 1973-74. Professor Kaplan.



## AMHERST COLLEGE

**28. French Comic Theater.** Study and discussion of the plays, dramatic theory, and practice of four major creators of the French comic theater: Molière, Marivaux, Beaumarchais, and Musset. Conducted in French. One three-hour seminar meeting a week.

Second semester. Omitted 1973-74. Professor Carre.

**31. The Age of the Enlightenment.** A study of the literature of the eighteenth century from the Regency to the Revolution, its relations to the intellectual, esthetic, and social changes of the Enlightenment, the development of new literary forms. Particular emphasis will be given to Voltaire, Rousseau, and Diderot. One three-hour meeting a week; discussion, oral reports, one term paper on individual related topics.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Giordanetti.

**33s. The Romantic Imagination.** A study of the origins and development of the European phenomenon of Romanticism of the early nineteenth century. The movement will be considered in several of its manifestations, in music, painting and architecture in addition to literature. One three-hour seminar a week; one term paper on individual related topics. Conducted in French.

Enrollment limited to fifteen students. Please consult instructor before enrolling. Second semester. Professor Giordanetti.

**35. Tradition and Anti-Tradition in the Twentieth Century French Theater.** An analysis of plays and dramatic theories: Claudel and Giraudoux as representatives of the tradition; Jarry, Artaud, Ionesco, and Beckett as makers of a new theater. Three hours of classroom work a week. Conducted in French.

Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Pini.

**37. Camus and Sartre.** Existentialism and *engagement*. Readings and discussion of the major works, literary and theoretical, of the two authors, concluding with an examination of the controversy that opposed Camus to Sartre and the *Temps Modernes* group on the nature of the artist's commitment to society. Three hours of classroom work a week. Conducted in French.

Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1973-74. Professor Carre.

**H38. Mauriac.** Readings in the works of François Mauriac. One hour of classroom work a week. Conducted in French. A half course.

Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Omitted 1973-74. Professor Giordanetti.

**40. Modern French Poetry.** Study of the development of poetic styles and visions from Romanticism to Symbolism, based on an examination of im-



portant works by Hugo, Baudelaire, Rimbaud, Lautréamont, Mallarmé, and Valéry. Three meetings a week. Conducted in French.

Elective for Freshmen. Second semester. Omitted 1973-74. Professor Kaplan.

**41. Apollinaire and Modern Movements in Art and Literature.** A study of Guillaume Apollinaire as poet, theoretician, spokesman and moving force of the new art in France during the first two decades of the twentieth century. An inquiry into the relationships of art and literature with particular attention to Cubism and Futurism. Three hours of classroom work a week. Conducted in French.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Carre.

**42. Proust and the Interpretive Sensibility.** A study of *A La Recherche du Temps Perdu* in the original and in translation, as an interpretation of man's relationship to society on the one hand and man's relationship to nature on the other. A central question through the course will be: What, according to Proust, makes reality meaningful? Two meetings a week. Conducted in English. Students with a reading knowledge of French should read the first volume in French; only advanced students in French should forego all translation.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Omitted 1973-74. Professor A. Ryerson.

**77, D78. Conference Course for Seniors.** A single and a double course. First and second semesters. The Department.

**97, H97, 98, H98. Special Topics.** Independent Reading Courses. Full or half courses. Approval of the department chairman is required. First and second semesters.

## Spanish

*Major Program.* The Department of Spanish expects its majors to have a broad and diverse experience in the literatures and cultures of Spanish-speaking peoples. To this end, continuous training in the use of the language and travel abroad will be emphasized.

A major in Spanish (both *rite* and honors) will normally consist of (a) eight courses within the Department or (b) six courses within the Department and two related courses chosen with departmental approval. All courses offered by the Department above Spanish 5 may count for the major. At the minimum each major should develop a reasonable familiarity with the Golden Age, Spanish America, and Modern Spain.

## AMHERST COLLEGE

The minimum level of competence in the language for a Spanish major is that represented by superior work in Spanish 14 or by passage of a proficiency examination set by the Department, normally at the end of the sophomore year. To develop further his expressiveness and clarity in written Spanish, the major must choose (a) to take a literature course in which particular attention will be given to written work of the major; or (b) to meet regularly with a member of the Department to work on problems of expression and style.

The comprehensive program set by the Department in consultation with its majors will normally be completed by the end of the first semester of the senior year. All majors will elect Spanish 77 and a Special Topics course toward completion of the program.

*Honors Program.* In addition to the major program described above, a candidate for departmental honors must present a thesis and sustain an oral examination upon the thesis. He will normally elect D78 in the second semester of his senior year.

*Combined Majors.* Both *rite* and honors majors may be taken in combination with other fields, e.g. Spanish and French, Spanish and Religion, Spanish and Fine Arts. Plans for such combined majors must be approved in advance by representatives of the departments concerned.

*Interdisciplinary Majors.* Interdisciplinary majors are established through the College Committee on Interdisciplinary and Special Studies, with the endorsement and cooperation of the Department or with the approval of individual members of the Department.

*Study Abroad.* Students majoring in Spanish are encouraged to spend a summer, a semester, or a year studying in Spain or Spanish America. Plans for study abroad must be approved in advance by the Department.

*Placement in Spanish language courses.* See individual course descriptions for placement indicators.

*Placement in Spanish literature courses.* Unless otherwise specified, admission to courses in literature is granted upon satisfactory completion of Spanish 5 or a course of equivalent level in secondary school (a score above 600 in the CEEB reading and listening tests, or Advanced Standing).

**1. Elementary Spanish.** Grammar, pronunciation, oral practice, and reading. Six hours a week in class, section, laboratory, and *reuniones*; and at least six hours of independent study. For students without previous training in Spanish. Prepares for Spanish 12.

First semester. Professor Johnson and assistant.

**3. Intermediate Spanish.** Review of grammar and pronunciation; oral practice. Reading and analysis of literary texts. Six hours a week in class, sec-

## ROMANCE LANGUAGES

tion, and laboratory. For students with less than three years of secondary school Spanish who score below 500 in the CEEB tests.

First semester. Mr. Maraniss and assistant.

**11. Introduction to Spanish Literature.** Readings in modern Spanish and Spanish American literature. Special attention will first be given to fluent reading and aural comprehension of works from the generation of 1927 and the recent Spanish American novel. As the course develops, greater attention will be given to the fundamentals of oral and written expression through discussion of topics of recent social interest. Prepares for Spanish 14 and other Spanish literature courses (see individual course descriptions).

Elective for Freshmen. For students with three years of secondary school Spanish or with CEEB scores between 500–600. First semester. Professor Kent.

**12. Pablo Neruda.** An exploration of the Spanish-speaking world through reading and discussion of his prose and poetry. Emphasis on language learning. Conducted in Spanish.

Elective for Freshmen. Second semester. Professor Johnson.

**14 or H14. Spanish Prose Composition and Style.** This course is designed to strengthen and refine the student's mastery of the Spanish language. Practice in free composition and in translation of examples of a variety of styles. One or two meetings, depending upon student interest and need. A full or a half course.

Requisite: Spanish 11 or permission of the instructor. Second semester. Mr. Maraniss.

**21s. The Dynamics of Spanish Culture.** An interdisciplinary study of Spanish consciousness. Topics for reading and discussion will include: grotesque literature, the hero and antihero, ideological commitment and commentaries on Velasquez, El Greco and Goya. Conducted in Spanish.

Requisite: Spanish 11, or permission of the instructor. Second semester. Professor Kent.

**23. Contemporary Spanish Literature.** Readings and discussions of representative authors of the Spanish generations of 1898 and 1927: Unamuno, Azorín, Machado, Ortega, Valle-Inclán, Miró, García Lorca, Guillén, Salinas. Conducted in Spanish.

First semester. Mr. Maraniss.

**25. Indian Civilizations of South America.** Literature, art, music, myth, and history of precolonial South America with emphasis on the Mochica, Chimú, Inca, Araucanos and Guaraní. Their significance in the twentieth century will be studied in the writings of Icaza, Alegría, Arguedas, Neruda, Roa Bastos. Conducted in Spanish.

Requisite: Reading, writing and speaking proficiency in Spanish. First semester. Omitted 1973–74. Professor Johnson.

## AMHERST COLLEGE

**26. Latin American Prose and Poetry I.** Sarmiento, Bello, Darío, Güiraldes, Gallegos, Borges. Conducted in Spanish.

Requisite: Reading, writing and speaking proficiency in Spanish. Second semester. Omitted 1973-74. Professor Johnson.

**27. Indian Civilizations of Mesoamerica.** Literature, art, music, myth and history of precolonial Central America. Emphasis on the Olmecs, Zapotecs, Mixtecs, Aztecs and Mayas. Their significance in the twentieth century will be studied in the works of Azuela, López y Fuentes, Vasconcelos, Asturias, and the Mexican muralists. Conducted in Spanish.

Requisite: Reading, writing and speaking proficiency in Spanish. First semester. Professor Johnson.

**28. Latin American Prose and Poetry II.** Vargas Llosa, García Márquez, Rulfo, Fuentes, González León, Neruda, Vallejo. Conducted in Spanish.

Requisite: Reading, writing and speaking proficiency in Spanish. Second semester. Professor Johnson.

**36. Readings in Seventeenth Century European Theater.** Selected plays of Lope de Vega, Calderón de la Barca, Tirso de Molina, Corneille, Racine, and Shakespeare will be read in the original languages whenever possible. Through close readings of representative works, participants will approach an understanding of the "ideas of a theater" underlying the classic drama of Spain, France, and England. Conducted in English.

Second semester. Omitted 1973-74. Mr. Maraniss.

**43. Cervantes.** *Don Quijote de la Mancha* and some exemplary novels will be read in Spanish or in translation, depending on the student's language proficiency. Cervantes' novelistic technique, a new departure in European prose, will receive special attention. Students are invited to deal with Cervantes in connection with another writer whom he may have influenced; e.g., Fielding, Sterne, Flaubert or Mark Twain. Conducted in English.

Elective for Sophomores (and Freshmen with the consent of the instructor). First semester. Mr. Maraniss.

**46f. The Picaresque Novel.** A comparative study of the picaresque in European and American literature with special attention given to the Spanish tradition. Readings to include the *Lazarillo*, the *Guzmán*, the *Buscón* and novels by Grass, Mann, Ellison, Twain, and Fielding. Conducted in English with readings in the original according to student ability.

Elective for Sophomores. First semester. Professor Kent.

**47s. The Myth and Literature of Imperial Spain.** The response of literature to the historical and social conditions of Hapsburg Spain. Selected works of Fray Luis, Quevedo, Lope, Góngora and others will be discussed as individual solutions to the dilemmas of the "Golden Age." Conducted in Spanish.



Requisite: Spanish 21 (21s) or permission of the instructor. Second semester. Omitted 1973-74. Professor Kent.

**77. Conference Course for Seniors.**

First semester. The Department.

**D78. Conference Course for Seniors.** A double course.

Second semester. The Department.

**97, H97, 98, H98. Special Topics.** The department calls attention to the fact that Special Topics courses may be offered to students on either an individual or group basis. Students interested in forming a group course on some aspect of Spanish life and culture are invited to talk over possibilities with a representative of the department. When possible, this should be done several weeks in advance of the semester in which the course is to be taken.

## RUSSIAN

Assistant Professors Davidson (Chairman), Peterson, Rabinowitz, and J. Taubman and Visiting Assistant Professor Elson; and a Visiting Specialist from the Union of Soviet Socialist Republics.

*Major Program.* The major must include the following courses: Russian 11, 12, 21, 22 plus four upper-level Russian courses offered in the Department or at one of the neighboring colleges. (Russian 1 through 4 will not count toward the major.)

It is recommended that the major take History 41-42 (Survey of Russian History) and at least two or three courses in one other literature (preferably English, French, or German). In addition to demonstrating a proficiency in spoken and written Russian, the major will be required to pass a comprehensive examination during the second semester of his senior year. A reading list will be provided by the Department to guide him in preparing for the examination.

*Honors Program.* In addition to the requirements for the major program, the honors candidate must take Russian 77-78 during his senior year and must prepare a thesis on a topic approved by the Department.

*Interdepartmental Program:* A student may be sufficiently interested in Russian to devote considerable time and effort to the study of the subject while not necessarily feeling inclined to major in it. If this is the case, he should be aware of the possibility of declaring an interdepartmental major under which he could combine the study of Russian with that of another discipline; e.g., history, political science, economics, another language and/or literature, etc. Before deciding on an interdepartmental major, the student

## AMHERST COLLEGE

should, of course, consult the College Bulletin (the pertinent section under Degree Requirements) in addition to discussing his academic plans with the Departments involved.

*Study Abroad.* Any student who has studied Russian for two years or more and wishes to put to the test his or her ability to operate in the language may take advantage of the Interterm in Russia. This is jointly organized by the Russian Departments at Amherst and Smith, utilizing the long semester break recently introduced into the academic calendar, to make possible travel to Russia at minimal cost. The participating students will be accompanied by a faculty member; the four weeks spent in Russia will be evenly divided between Leningrad and Moscow. While not a formal academic activity, the Interterm in Russia should be considered to fall logically between Russian 11 and Russian 12, and thus to be an aspect of Studies in Russian Language and Culture. Accordingly, participation may be limited to students who are either enrolled in Russian 11 or can show equivalent (or superior) proficiency in the language.

Students who are interested in spending more than three to four weeks in the Soviet Union are urged to consult with the Russian Department about the Summer and/or Semester Programs at Leningrad University which are open to qualified American undergraduates.

**1. First-Year Russian.** The fundamental structure of Russian demonstrates how a language strives to maintain itself as a functional, strongly coherent system. Stress is laid on a knowledge of the patterns and shapes of the language's building materials rather than on an endless memorization of forms. Pronunciation, oral practice, reading, writing. Some sessions conducted primarily in Russian. Four meetings per week.

Elective for Freshmen. First semester. Professors Davidson and Rabinowitz.

**2. First-Year Russian.** Continuation of Russian 1.

Requisite: Russian 1 or equivalent. Elective for Freshmen. Second semester. Professors Davidson, Rabinowitz, and Visiting Specialist from the USSR.

**3. Second-Year Russian.** Intensive review and further study of grammar. Emphasis on development of aural comprehension and oral fluency. Reading and analysis of selected texts. Five class hours per week. In addition, students may be required to use the language laboratory.

Requisite: Russian 2, or equivalent. Elective for Freshmen. First semester. Professor Elson.

**4. Second-Year Russian.** Continuation of Russian 3.

Requisite: Russian 3, or equivalent. Elective for Freshmen. Second semester. Professor Elson.

**11, H11. Studies in Russian Language and Culture.** Reading and discussion of selected works of Russian prose and poetry, both classical and modern. Included among the readings will be literary criticism, as well as historical, philosophical, and publicistic writings. Conducted mostly in Russian. (Systematic vocabulary building; selective grammar review; oral and written reports.) Three fifty-minute or two eighty-minute sessions per week; one additional laboratory hour may be required. Full or half course.

Requisite: Russian 4 or equivalent. First semester. Professor Davidson.

**12, H12. Studies in Russian Language and Culture.** Continuation of Russian 11.

Requisite: Russian 11. Second semester. Professor Rabinowitz.

**21. Survey of Russian Literature, Part I.** After a brief consideration of Russian medieval literature (including the *Igor Tale*), the course will focus primarily on the evolution of nineteenth century prose forms through Tolstoy and Dostoevsky, with special emphasis on the wide variety of approaches to the novel from Pushkin's *Eugene Onegin* to such monuments as *Crime and Punishment* or *War and Peace*. Also major novels by Lermontov (*Hero of Our Time*), Gogol (*Dead Souls*), Turgenev (*Fathers and Sons*), et al. Social and philosophical background, both Russian and European. Readings in translation or the original, depending on language proficiency. Two class sessions per week.

Elective for Freshmen and Sophomores. First semester. Professor Davidson.

**22. Survey of Russian Literature, Part II.** Major writers and trends in Russian literature from about 1860 on into the twentieth century. Readings will include selected works of Tolstoy, Dostoevsky, Chekhov, Gorky, the Russian Symbolists and 'Decadents', as well as Vladimir Nabokov. Readings in translation or the original, depending on language proficiency. Two class sessions per week.

Elective for Freshmen and Sophomores. Second semester. Professor Peterson.

**23s. Solzhenitsyn, Pasternak and Bulgakov.** Views of Soviet reality—symbolic, satiric, and realistic—as seen through the works of three of Russia's greatest twentieth-century writers: Pasternak, Bulgakov, Solzhenitsyn. Discussion of the themes of the Revolution and Civil War in Pasternak's *Doctor Zhivago*, the 1920's and 1930's in Bulgakov's stories and the novel *Master and Margarita*, and the post-war period in Solzhenitsyn's *One Day in the Life of Ivan Denisovich*, *First Circle*, *Cancer Ward*, *The Love-Girl and the Innocent*. Topics for discussion include "poetry in prose," the nature and function of satire in Soviet literature, the writer as survivor, official Soviet attitudes. Conducted as a seminar.

Elective for Sophomores. Second semester. Professor Rabinowitz.

AMHERST COLLEGE

**Borges and Nabokov: The Art of the Metaphysical Detective Story.** See Colloquia, p. 199. For 1973-74, this serves as the Seminar in One Major Russian Writer.

Second semester. Mr. Maraniss and Professor Peterson.

**27. Fyodor Dostoevsky.** Dostoevsky's artistic and philosophical evolution is traced through a close reading of selected stories and novels. Although primary emphasis is placed on Dostoevsky's post-exile writings (*Notes from Underground, Crime and Punishment, The Idiot, The Possessed, The Brothers Karamazov*), mature ideas are seen in genesis through analysis of earlier works (*Poor Folk, The Double, White Nights, A Weak Heart*). Topics for discussion include: Dostoevsky's creation of the novel-tragedy and the polyphonic novel, the treatment of alienation and the theme of the double, Dostoevsky's assessment of reason and utopian thought, the role of the city. Whenever possible students will be encouraged to apply their knowledge of related fields of literature (Balzac, Dickens, Camus, Kafka), philosophy, and history. Conducted as a seminar with occasional lectures.

Elective for Sophomores. First semester. Professor Rabinowitz.

**28. Leo Tolstoy.** Discussion and analysis of all the major fictional works, as well as of a few relatively lesser known narrative and doctrinal pieces in the context of Tolstoy's thought and literary heritage. Evolutions of typical themes: from moral myopia to self-discovery, the passage from city to the land, non-resistance to evil, nature of good art, history, education, culture; investigations into the technical aspects of Tolstoy's art. Conducted as a seminar with occasional lectures; comparative studies of various types (e.g., involving Stendahl, Pushkin, Dickens, Mann, Gandhi and others) encouraged for students with appropriate backgrounds. Readings in translation or Russian, as proficiency permits. One two-hour meeting per week plus consultations.

Elective for Sophomores. Second semester. Professor Davidson.

**29. Literature and Revolution: The Soviet 'Twenties.** Russian literature from 1917-1930 studied in its cultural and historical context. The artist, the state, and the revolution. The avant-garde and its fate. Readings in prose (Babel', Zamyatin, Olesha, Gladkov), poetry (Blok, Mandel'stam, Pasternak), drama (Mayakovsky), literary theory (Trotsky, Shklovsky), and memoirs (N. Mandel'stam). Screening and discussion of films by Eisenstein, Pudovkin, Vertov, Dovzhenko. Readings in translation or in Russian, depending on language proficiency. Two class meetings and one screen/discussion per week.

Elective for Freshmen and Sophomores. First semester. Professor Taubman.

**33. Advanced Studies in Russian Language and Culture, Part I.** Study of topics and texts of general cultural significance; discussion of prominent



figures and current events in the artistic and intellectual life of the Soviet Union. Special subjects may include a systematic survey of Russian poetry and a close reading of a major nineteenth century novel. Sessions on phonetics, intonation, stylistics, problems in the structure of Russian. Three class meetings per week plus additional hours for conversation and language laboratory. Conducted entirely in Russian.

Requisite: Russian 12 or equivalent. First semester. Omitted 1973-74. Professor Davidson.

**34. Advanced Studies in Russian Language and Culture, Part II.** A continuation of Russian 33.

Second semester. Omitted 1973-74.

**77. Senior Honors Course.** Meetings to be arranged.

Open to, and required of, seniors writing a thesis. First semester. The Department.

**78. Senior Honors Course.** Meetings to be arranged.

Open to, and required of, seniors writing a thesis. Second semester. The Department.

**97, H97. Special Topics.** Independent Reading Course.

First semester. The Department.

**97, H97(1). Special Topics.** Independent Reading Course in Russian Linguistics. Conducted as a colloquium. Participants will hear presentations on recent theoretical work by guest lecturers and consider the problems involved in the elaboration of a modern basic grammar text. Full or half course.

First semester. The Department.

**97, H97(2) Special Topics.** Independent Reading Course in Advanced Russian. A special offering for those students who have completed Russian 34 or its equivalent. May be combined with Russian H97(1). Format and content as defined by participants in consultation with the Department. Full or half course.

First semester. The Department.

**98, H98. Special Topics.** Independent Reading Course.

Second semester. The Department.

Slavic Studies. See page 205.

Sociology. See page 78.

Spanish. See page 187.

# Interdisciplinary and Special Programs

## AFRO-AMERICAN AND BLACK STUDIES

Amherst College courses are listed under Black Studies. A list of appropriate Five-College courses may be obtained in the Office of the Registrar.

## ASIAN STUDIES

A number of courses appropriate to an interdisciplinary major in Asian Studies are offered at Amherst and at neighboring institutions. The number of these has, in recent years, become too large to list here in full. Therefore, interested students are referred to a separate printed list of the many Asian courses available in the five-college area during the academic year 1973-74. This list is available from faculty members in the Asian field or in the offices of the Registrar and the Dean of the Faculty.

A general statement on Five College courses will be found on page 61 of this Bulletin. A complete list of course descriptions and enrollment information may be obtained from the Registrar.

## JAPANESE LANGUAGE

**1. Intensive Elementary Japanese.** Designed to develop basic competence in the Japanese language: speaking, aural comprehension, reading, and writing. Five class meetings and two laboratory sessions per week.

First semester. To be offered only once. Mr. Nakazawa.

**5s. Intensive Elementary Japanese.** A continuation of Japanese 1. Students who complete both semesters may, if they wish, receive two course credits for the second semester's work. Five class meetings and two laboratory sessions per week.

Second semester. To be offered only once. Mr. Nakazawa.

## COLLOQUIA

**12. Colloquium in Modern Experimental Science.** The colloquium will provide for the exchange of experimental ideas among students and faculty in biology, chemistry, geology, and physics. There will be reading, discussion and experimental work directed toward the formulation of interesting problems and the application of modern techniques for their solution. Topics will evolve from year to year. For 1973-74, the general areas being considered are: 1) the determination of molecular weight, size, and structure; 2) environmental studies: the major and minor constituents of the atmosphere and natural waters; 3) electrical signals; and 4) nuclear clocks, thermometers, and tracers. The facilities of all four departments will be accessible to the group for experiments involving microscopy, optical and infra-red spectroscopy, centrifugation, x-rays, oscilloscopes, mass spectrometry, gas chromatography, and nuclear counting.

Requisite: Permission of the course chairman. Elective for Juniors and Seniors who have completed at least three semester courses toward a major in any one of the four disciplines. Limited to fifteen students. Second semester. Professors Benson (Chairman), Brophy, Fisher, Godchaux, Hove, Tinker, Valberg, and Waggoner.

**16. Colloquium in Environmental Chemistry and Physics.** An investigation of the interrelationships among pure science, applied science and technology and the quality of everyday life. A study of energy resources, methods of transformation of energy from one form to another, and in particular a study of methods of generating electrical energy. Technical and economic feasibility of various methods, and the effects of energy production on the environment and on public health. The course is intended for both non-science and science majors. First and second laws of thermodynamics, basic nuclear chemistry and physics, nuclear fission and fusion, the measurement of radioactivity and its biological effects. Independent investigation by individual students of other related environmental problems. Emphasis will be placed on gaining a quantitative understanding of environmental problems, on identifying existing gaps in knowledge, and on providing a foundation for continuing informed discussion. Two one and one-half hour meetings per week. Occasional laboratory work.

Enrollment limited. Second semester. Professors Fink and Yost.

**18. Intelligent Life in the Universe.** An analysis of the question of whether intelligent civilizations exist elsewhere in the universe, and how we might discover and communicate with them. Topics covered include the origin of the solar system, stellar evolution and element synthesis, the evolution of the earth, the abiotic origin of biological molecules, the evolution of life, instinctive versus intelligent behavior, the origin of man, and the possibility

## AMHERST COLLEGE

of life elsewhere in our solar system. More speculative topics include artificial intelligence, supercivilizations and our evolutionary future. Three one-hour meetings per week.

Requisite: Permission of the instructors. Enrollment limited. Second semester. Omitted 1973-74. Professors Greenstein and Zimmerman.

**19. The Natural Science of the Human Organism.** The course will consider the major physical and physiological principles involved in human birth, life, and death. Selected topics will inquire into the underlying physiology that forms our understanding of cells, organs, organ systems, and organisms as they respond to a changing environment. Quantitative reasoning will be the touchstone for elucidating body function from the macroscopic level to the microscopic and atomic levels. This analysis depends on recognizing the physical laws behind the life processes, the spatial scale, and the temporal scale of living organisms. A major goal will be to gain some insight into the operation, the organization, and feedback regulation of the human organism.

Requisite: Satisfactory performance in a previous college-level natural science course. Physics 13 and 14 are strongly recommended for an in-depth approach to the subject. Alternate qualifications such as a high-school physics, chemistry, or biology course should be discussed with the instructors. First semester. Omitted 1973-74. Professors Karfunkel and Valberg.

**20. Colloquium in Macroenvironmental Systems.** As an exploration of the interfaces between biology and geology with emphasis on the relationship of man to large natural systems. Structural and functional aspects of such large-scale systems as the Great Lakes, coastal zones, the Everglades, the Arctic tundra, and metropolitan areas will be considered. Using the tools and approaches of geology and biology, our objective is to develop a spatially and temporally realistic view of natural systems and to assess man's environmental impact within that context. Two sessions per week plus occasional guest lectures, films, and workshops.

Requisite: One course in either ecology or geology, or permission of the instructors. Second semester. Professors Belt and Fisher.

**21. Colloquium in the Nature of Deviancy.** Designed to illuminate our understanding of particular kinds of alleged deviant behavior, such as: criminality, homosexuality, and insanity in the light of social science theory.

Elective for Freshmen. First semester. Professors Buff, Errington, Pitkin, and Tiersky.

**23. Colloquium: Sex and Politics.** The Impact of Sex on Power and Influence in Society. The influence of sex on politics: society's use of sexual categories in the distribution of social and political roles; the translation of sex differences into restrictions on political participation; the effect of those restrictions on the polity's ability to achieve its stated values. One two-hour meeting and one one-hour meeting per week.



## COLLOQUIA

Requisite: Introductory level courses in political science and psychology. Elective for Juniors. Admission by consent of the instructors. Limited enrollment. First semester. Professors Olver (Amherst), Grossholtz (Mount Holyoke), and Bourque (Smith).

**26. Borges and Nabokov: The Art of the Metaphysical Detective Story.** An investigation of the similarities and contrasts between two modern masters of the literature of philosophical fable. We shall examine how and why these two writers create parodies of traditional narrative strategies of detection, such as the critical biography, the scholarly commentary, the "anatomy" of reality, the legendary forms of the quest for a lost bliss, the Gothic "thriller," and, of course, the detective story. The class will also attempt to appraise, through autobiographies and recorded interviews, the personal source of each author's "apolitical" non-engagement with large social issues. The course will conclude with a side-glance at some rival creators of epistemological labyrinths, especially Samuel Beckett and Alain Robbe-Grillet. Readings in English (or in the original languages, as proficiency permits).

Second semester. Mr. Maraniss and Professor Peterson.

**30. Germany Between the Two World Wars.** An interdisciplinary exploration of political, social, and cultural movements during the Weimar Republic and the first half of the Third Reich. Readings in literary sources from the period in English translation, as well as more recent interpretive studies; also consideration of trends in the non-literary arts. Previous work in modern European history or in modern German literature is advisable. One seminar meeting per week. Individual reports on topics of special interest.

Requisite: Written consent of the instructors. Limited to twenty students. Second semester. Professors Lees and White.

**32. Historical Problems and Economic Analysis.** Examination of selected problems of historical interpretation with a view to clarifying the approaches to the understanding of human behavior used by historians and economists, and the relationship between them. The colloquium will discuss not only such "classic" problems as the Pirenne thesis on the origins of the European economy and the Weber thesis on protestantism and capitalism, but also such more recent controversies as those over the burden of the Navigation Acts, and the debate over the profitability of slavery. Each student will prepare an extended essay and may be asked to report on his work to the group. One class meeting per week.

Requisite: Permission of the instructors. Limited to twenty-five students. Second semester. Omitted 1973-74. Professors Aitken and Halsted.

**48. Colloquium in South Asian Literature.** A survey of South Asian literary traditions from the period of the classical Sanskrit drama to the present.

## AMHERST COLLEGE

Included will be readings in the medieval tales, literature in the Bhakti and Sufi traditions, modern literature in English, and in translation from the modern vernaculars. One two-hour seminar per week.

Requisite: Anthropology 21 or its equivalent. Elective for Juniors with the consent of the instructors. Limited to fifteen students. Second semester. Omitted 1973-74. Professors Babb and Peppard.

## The Kenan Colloquium

The Kenan Colloquium is an interdisciplinary project, the equivalent of two courses in each of the fall and spring semesters, under the auspices of the William R. Kenan, Jr. Professorship. Faculty participating in 1973-74 will include members of the American studies, biology, economics, English, and political science departments. The aim of the colloquium is to explore the interaction between the natural and human environments, with a primary emphasis upon American materials. The overarching questions of the colloquium arise from, but have implications reaching far beyond, the "crisis" of the environment. What is meant by the ideal of a "balance of nature," or of a "harmony" between man and nature? Do these ideals have compatible implications for the biophysical, socio-economic, and cultural environments? If it is possible to define an "ecologically sound" relationship between man and nature, does it entail a particular form of social, economic, and political organization—a particular culture?

All students in the colloquium will take both English 67 and 68, a selective study of American thought and expression, with special emphasis upon imaginative literature (see below), and one of the three seminars (Kenan 1, 2, or 3 offered in the fall semester, also described below). Priority in admissions will be given to students who enroll for both the course and the seminars. Part of the work of the seminars will be the identification and definition of field work projects to be completed in Seminar 4 in the spring semester. Seminar 4, a continuation of Seminars 1, 2, and 3, will be a field work project in the spring semester, a group effort to test specific ideas about the relationship between environment, society, and culture in the Connecticut Valley on the basis of first-hand experience (see below). Although each of the fall semester seminars will meet independently much of the time, there will be at least three weeks of joint meetings (dealing with topics common to all three seminars) during the term, as well as occasional meetings of the entire colloquium (outside of class) to discuss common problems and to consult visiting scholars.

## COLLOQUIA

Limited to fifty students. Elective for Sophomores. Priority for admission to any part of the colloquium will be given to students enrolling for the entire project. Applications for admission may be obtained from any of the participating faculty members: Professors Fisher, Marx, Peterson, Sears, W. Taubman, Townsend, Yost, and (extramurally) O'Connell.

**English 67. American Writers, Politics, and the Environment.** A study of selected topics in American literature aimed at illuminating the interplay between the literary consciousness, society, and the external environment. The course will be organized around the questions confronting the Kenan Colloquium as a whole, with a view to bringing literary experience to bear upon the problems raised in the seminars. Among the writers who will be considered in the first semester are: Crevecoeur, Jefferson, Franklin, Emerson, Thoreau, Whitman, Frederick Douglass, Hawthorne, Melville, Horatio Alger, Theodore Dreiser, and F. Scott Fitzgerald.

Requisite: Enrollment in Kenan Seminars 1, 2, or 3. Elective for Sophomores. Limited to fifty students. First semester. Professor Marx.

**English 68. American Writers, Politics and the Environment.** A continuation of English 67. Writers who will be considered include Henry Adams, F. J. Turner, Mark Twain, Frost, Faulkner, Hemingway, Stevens, Williams, Toomer, West, Mailer, and Snyder.

Requisite: English 67. Priority will be given to students enrolled in the Kenan Colloquium. Elective for Sophomores. Limited to fifty students. Second semester. Professor Marx.

Kenan Seminar 1. *MAN IN/AND/OR NATURAL ECOSYSTEMS.* A consideration of man's place in nature from the perspective of ecosystem biology. The structure and function of ecosystems without man, with "primitive" man, and with technological man will be assessed in terms of basic evolutionary and ecologic principles. Prospects for designing an ecologically stable biosphere containing *Homo sapiens* will be evaluated. Two class meetings per week.

Priority will be given to students enrolled in the Kenan Colloquium. Elective for Sophomores. Limited to fifteen students. First semester. Professors Fisher and Yost.

Kenan Seminar 2. *POLITICAL ECONOMY OF THE ENVIRONMENT.* The basic question of the seminar will be: To what extent are human-nature and human-human relationships determined by technological imperatives (industrialization) and to what extent by political economic institutions? The political economic institutions of the United States (capitalism) and the Soviet Union (state socialism) will be evaluated with regard to the limits they place on changes which might bring people into "harmony" with nature and with each other. Other systems—both those

## AMHERST COLLEGE

which do exist or have existed, as well as ideal types—will be explored to provide perspective on the limitations of present institutions and the most fruitful directions for change. Two class meetings per week.

Priority will be given to students enrolled in the Kenan Colloquium. Elective for Sophomores. Limited to fifteen students. First semester. Professors W. Taubman and Sears.

Kenan Seminar 3. *THE QUEST FOR ORGANIC COMMUNITY*. A critical examination of selected literary, psychological, and anthropological texts which reveal how Western culture in general, and American culture in particular, have addressed the question of how men might live together communally. The course will begin by asking, with the assistance of Freud and Mircea Eliade, whether the long-standing ideal of a human society in "organic harmony" with nature is psychologically and culturally regressive. The primary emphasis during the semester will be devoted to an investigation of how Americans, in practice and in their utopias, have structured community life. The seminar will conclude with discussions aimed at achieving an informed estimate of those resources our culture now possesses to provide an evolutionary or revolutionary alternative to the prevailing lifestyle in our consumer-oriented, high technology society. Two class meetings per week.

Priority will be given to students enrolled in the Kenan Colloquium. Elective for Sophomores. Limited to fifteen students. First semester. Professors Peterson and Townsend.

Kenan Seminar 4. *FIELD STUDIES*. A continuation of Kenan Seminars 1, 2, and 3. Students in each of the seminars will undertake field study projects which will focus in a variety of ways on the interactions between natural and human environments in this region of the Connecticut River Valley. The objective of the seminars will be the definition of group and individual field work projects around a shared and common problem. For instance, one student or seminar might examine factory workers' perceptions of their workplace, another the ecological and medical effects of the materials used in the same factory, while another might study working class families or the function of the manufactured article in the economy. The problem or area chosen will be designed so that natural scientists, humanists, and social scientists can share and dispute their working methods and insights as they investigate together.

Priority will be given to students enrolled in the Kenan Colloquium. Elective for Sophomores. Limited to fifty students. Second semester. Professors Fisher, Peterson, Sears, W. Taubman, Townsend, Yost, and (extramurally) O'Connell.



## EDUCATION

Professors Hawkins\*, Heath, and Olver; Associate Professor Grose‡.

The following courses offered by the several departments are listed for the convenience of students who are interested in education and teaching. Students seeking to be certified for public school teaching positions should consult the separate materials in the Career Counseling and Registrar's Offices concerning courses available at the Five Colleges and State certification requirements.

**Developmental Psychology.** See Psychology 27s.

Requisite: Psychology 11. Elective for Sophomores. Second semester. Professor Olver.

**Educational Psychology.** See Psychology 34f.

Requisite: Psychology 11. Elective for Sophomores. Seminar course limited to fifteen students with the consent of the instructor. First semester. Professor Grose.

**Seminar in American Educational History.** See History 66.

Limited to fifteen students. Second semester. Omitted 1973-74. Professor Hawkins.

**English and Education.** See English 75.

Limited to fifteen Amherst College students. Up to seven students from other colleges may also be admitted. First semester. Omitted 1973-74. Professor Heath.

European Studies. See page 122.

## HISTORY OF SCIENCE

History of Science is offered at Mount Holyoke College, Smith College and the University of Massachusetts. A list of specific courses will be found at the Office of the Registrar.

\*On leave 1973-74.

‡On leave second semester 1973-74.

## AMHERST COLLEGE

# LATIN AMERICAN STUDIES

A list of courses has been compiled as an aid to students in the Five College area seeking programs on Latin America or with Latin American content, containing both general courses which embody topics dealing with Latin America as well as courses devoted substantially or exclusively to the area. The Spanish language is taught at Amherst and Mount Holyoke Colleges, and both Spanish and Portuguese are taught at Smith College and the University of Massachusetts. Mount Holyoke offers an interdepartmental major in Latin American Studies, while Smith offers two programs in Hispanic-American Studies, one in literature and the second in fields other than literature. A Certificate Program in Latin American Studies will be available, subject to approval, at the University of Massachusetts.

The list of courses in Latin American Studies, complete descriptions of individual courses, and enrollment information may be obtained from the Registrar.

## LEGAL STUDIES

Professors Kearns, Latham and Ziegler.

**American Constitutional Development.** See Political Science 41.

First semester. Professor Latham.

**Administrative Law.** See Political Science 42f.

Limited to twenty-five students. First semester. Omitted 1973-74. Professor Ziegler.

**International Law.** See Political Science 46.

Second semester. Professor Ziegler.

**Seminar in Philosophy.** See Philosophy 61.

Requisite: Permission of the instructor. (Suggested: three philosophy courses passed with at least a C). Elective for Juniors. First semester. Professor Kearns.

## LINGUISTICS

Amherst College offers an introductory course in Linguistics (German 50), a course in Language and Society (English 71), and Psycholinguistics (Psychology 36). Hampshire College offers courses in Language Acquisition, Theories

## SLAVIC STUDIES

of Language, Semantics, and Psycholinguistics. Mount Holyoke College has courses in Descriptive Phonetics and Communication Theory. The University of Massachusetts offers courses on both the undergraduate and graduate level in Speech and Language Theory, Phonetics, General Linguistics, Phonological Theory, and Syntax.

## SLAVIC STUDIES

A student at Amherst College may develop a program in Slavic Studies from courses offered here and at Mount Holyoke and Smith Colleges and the University of Massachusetts. Courses in the fields of anthropology, economics, government and political science, history, Polish, Russian, and sociology which may be included in a Slavic Studies program are listed in a booklet, published by the Office of the Five College Coordinator, which is available from the Registrar.





# IV

LECTURESHIPS

HONORS

FELLOWSHIPS

PRIZES AND AWARDS

DEGREES CONFERRED

*The Merrill Center*





# Lectureships

**The Henry Ward Beecher Lectureship.** This lectureship fund of \$10,000 was founded by the late Frank L. Babbott, LL.D., of the Class of 1878, in honor of Henry Ward Beecher, of the Class of 1834. The incumbent is appointed biennially by the Faculty for supplementary lectures in the departments of history and the political, social, and economic sciences.

**The Clyde Fitch Fund.** A fund of \$20,000 was established by Captain and Mrs. W. G. Fitch of New York in memory of their son, Clyde Fitch, of the Class of 1886. The income of this fund is to be used for the furtherance of the study of English literature and dramatic art and literature. The whole or part of this income is usually devoted to the remuneration of an eminent lecturer, who may also take a part in the regular instruction of the College.

**The Victor S. Johnson Lectureship Fund.** This fund, amounting to \$35,569, was established in memory of Victor S. Johnson by his sons for the purpose of "bringing to the campus each year a stimulating individual worthy of the lecturer's purpose of serving the best tradition of the liberal arts and individual freedom."

**The John Woodruff Simpson Lectureship.** A fund now amounting to \$215,500 was established in memory of John Woodruff Simpson, of the Class of 1871, by his wife and daughter. The income is to be used for fellowships and "to secure from time to time, from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

**The George William and Kate Ellis Reynolds Lectureships.** A fund of \$150,000 established by the late George W. Reynolds of the Class of 1877 provides an annual income of approximately \$14,500 which is divided into three equal parts to provide lectureships on Christ and Christianity, Science, and American Democracy.

**The Willis D. Wood Fund.** The income from this fund, established in memory of Willis D. Wood '94, and now amounting to \$109,145, is used for the purpose of "bringing to the campus, for varying lengths of stay, persons in the field of religion to meet and talk with students and faculty about different aspects of the spiritual life."

# Honors

## THE PHI BETA KAPPA SOCIETY

**Massachusetts Beta Chapter.** The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership is extended to about a tenth of the students in each class.

### OFFICERS

*President:* Professor Dudley Herbert Towne  
*Vice President:* Professor Frederic Lawrence Cheyette  
*Secretary-Treasurer:* Professor Robert Campbell Townsend  
*Auditor:* Professor Rose Richardson Olver  
*Undergraduate President:* Wang Kong Cheung '74  
*Undergraduate Vice-President:* David Nicholas Mastronarde '74  
*Undergraduate Secretary-Treasurer:* James David Velleman '74

### INITIATES

#### Class of 1974

Wang Kong Cheung  
 David Nicholas Mastronarde

James David Velleman

#### Class of 1973

Robert Elmer Anderson, Jr.  
 Robert Kenneth Bell  
 Christopher Martin Bennett  
 Michael Broad  
 David Mosser Brown  
 Robert Ray Bruner  
 William Howard Clark, Jr.  
 Patrick Michael Collins  
 David Alan Downes  
 Steven Lazar Emanuel  
 Mark Lawrence Gerchick

Stephen Payne Goff\*  
 David Gordon  
 John Hunnewell Hasen  
 Gregory Michael Hayes  
 Christopher Robin Hilbert  
 Job Hopfan  
 Raphael Tyrone Johnson  
 David Aaron Kessler  
 Walter Carl Kester  
 Steven Ira Klugman  
 Douglas Donald Koch

\* These students elected in their junior year



## HONORS

Gary John Kornblith\*  
David Michael Margulies  
William Bayard Miller, Jr.  
John Ely Noyes  
James David O'Brient  
Robert Paine, III  
John Thomas Patterson  
Peter Jay Rachleff  
Edgar Charles Romero  
Robert Leonard Rosenbaum  
Thomas Fredrick Ross  
Richard Vance Sailor  
Paul Frank Salerni  
Peter Edward Scheer

Steven Jay Scheinman  
James Roger Scholten  
Steven Shak  
John DeWitt Shuck  
Chester Jay Stern  
Jay Williams Swanson  
Malcolm Stuart Thaler  
Gil Ramon Valenzuela  
Brock Posten Whittenberger  
James David Wicklatz  
Daniel Rick Wolpaw  
William Henderson Woolverton, III  
Paul Gordon Yock\*

## THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. As one of its purposes the Society gives recognition to those students, members of the faculty, research associates, and alumni who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability are typically recommended to associate membership by the departments concerned. In the case of undergraduates, nomination is usually given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades).<sup>†</sup> At present the chapter has a total membership of some 100 faculty and students.

## OFFICERS

*President:* Professor Henry Thomas Yost, Jr.

*Vice-President:* Professor Gerald Patrick Brophy

*Secretary-Treasurer:* Professor Robert Frederick Tinker

\* These students elected in their junior year.

† Full membership is reserved for individuals who have already published at least one scholarly paper.

AMHERST COLLEGE  
INITIATES 1973

**Full Membership**

David Alan Birnbaum  
Barbara Joyce Frank  
Ronald Gail Heyduk

Bruce Franklin Molnia  
Charles Alan Sorenson  
Kenneth Lee Verosub

**Associate Membership**

James Albert Austin, Jr.  
James Thacher Brock  
Irving Foster Brown  
Robert Ray Bruner  
Christopher Duffield  
Stephen Payne Goff  
David Gordon  
Jonathan Brewster Hayden  
David John Helfand  
Job Hopfan  
Gary Michael Horbar  
Kenneth Robert Huskins  
Eric Richard Johnston  
David Aaron Kessler  
John Howard Zippo Kramer  
David Michael Margulies

Paul Randolph Murphy  
Carl Eric Nelson  
William Walter Phillips  
John Pullman  
Edgar Charles Romero  
Thomas Frederick Ross  
Richard Vance Sailor  
James Robert Scholten  
Stephen Shak  
Peter Lewis Sosnow  
Kenneth Marshall Straub  
Malcolm Stuart Thaler  
Frank Apthorp Vaughan  
Brock Poston Whittenberger  
Elmer Lorne Young  
Alan Joel Zametkin

## Fellowships

**T**HE College's funds for fellowships aggregate \$875,000. From the income of these funds fellowships are awarded annually to graduates of Amherst College for study in graduate or professional schools. Applications should be made before February 15 on forms available from the Dean of the Faculty.

The names of those to whom fellowships have been awarded for the current year will be found on pages 24-27.

**The Amherst-Doshisha Fellowship.** Amherst-Doshisha Fellowship at Amherst House, Doshisha University, Kyoto, Japan. An opportunity to work in a bi-cultural setting with Professor Otis Cary, Director of Amherst House, is open to young alumni of the College for a term of one, or in some cases, two years. Travel expenses and a modest stipend are paid by the College. The recipient will be given the opportunity of assisting Otis Cary in the activities of Amherst House and also in teaching English to Japanese students. No knowledge of Japanese is required.

The fellowship offers a stipend of \$1,800, a travel allowance of \$1,400, and incidental expenses of \$250; a special revaluation allowance may be added. Preferably the fellowship year would be from September of one year to the following August. It carries with it formal teaching responsibilities in the English language at Doshisha University, at the freshman and sophomore level. The academic year at Doshisha has allowed all fellows to make an extended trip through Southeast Asia during February and March.

Applicants should apply to the Dean of Faculty's office no later than December 15.

**The Amherst Memorial Fellowships for the Study of Social, Economic, and Political Institutions, and for Preparation for Teaching and the Ministry.** A fund of \$138,300 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curios-

## AMHERST COLLEGE

ity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have given evidence of marked mental ability in some branch of the social sciences—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

**The Evan Carroll Commager Fellowship.** A gift of \$22,350 from Professor Henry Steele Commager, in memory of his late wife and "as a testimony to her affection for this College," was made to enable an Amherst student to study at Cambridge University, England. The Fellowship carries a stipend of \$1,000 for one year but may be renewable for a second year. The award is open to any student, but a senior will be favored and preference will be given to students applying to Peterhouse, St. John's College, Trinity College, and Downing College.

**The Henry P. Field Fellowships.** Two fellowships of \$500 each are available from the income of the bequest of the late Henry P. Field of the Class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

**The Warner Gardner Fletcher Fellowship**—The income from a gift of \$5,000 from the late Warner Gardner Fletcher of the Class of 1941 is awarded to an Amherst graduate who intends to "pursue work for the improvement of education." The award is made by the Fellowship Committee and preference is given to candidates who are engaged in the study of education and then to candidates for the Master of Arts in Teaching.



## FELLOWSHIPS

**The Edward Hitchcock Fellowship.** The income from a fund of \$20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N.Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

**The Roswell Dwight Hitchcock Memorial Fellowship.** A fund of \$9,200, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

**The Rufus B. Kellogg University Fellowship.** The income from a fund of \$74,700 established by the late Rufus B. Kellogg of the Class of 1858 provides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The Faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or with the approval of the said Faculty at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

## AMHERST COLLEGE

**The Sterling P. Lamprecht Fellowship.** From the income of \$32,900 a fellowship is awarded to a recent graduate of Amherst College for assistance in the pursuit of philosophy. This fellowship may be awarded to the same man for a maximum of three years. It need not be awarded at all in one particular year, and it might be, if there were no suitable graduate, awarded to an undergraduate in which case it would be known as the Sterling P. Lamprecht Scholarship. Preference, however, would be given for graduate study.

**The Edward Poole Lay Fellowship.** The income from a fund of \$49,500, established by Frank M. Lay, of the Class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the Class of 1922, provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

**The Forris Jewett Moore Fellowships.** These fellowships, three in number, were established in memory of Forris Jewett Moore of the Class of 1889 by his widow, Emma B. Moore. In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of \$35,200, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate, and who desires to engage in further study of that subject. Preference is to be given to eligible candidates whose plans lie in the field of organic chemistry.

2. A fund of \$24,700, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate, and who desires to engage in further study of that subject.

3. A fund of \$28,400, the income of which is to be awarded to a graduate of Amherst who has distinguished himself in the study of philosophy while an undergraduate and who desires to engage in further study of that subject.

**The George Stebbins Moses Memorial Fellowship.** The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader and a lover of

## FELLOWSHIPS

ordinary people, and who is qualified scholastically to meet the calling of a theological career creditably. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

**The George A. Plimpton Fellowships.** These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the Class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936, and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

**The C. Scott Porter Memorial Fellowship for Graduate Study.** Established at Amherst in 1972 by the family of C. Scott Porter of the Class of 1919, mathematics professor, 1924–31, and Dean of the College for thirty-five years from 1931–1966, the C. Scott Porter Memorial Fellowship is to be awarded annually to an alumnus of the College for graduate study without restriction as to department or field of study. Awards are to be made by the Fellowship Committee.

**The Charles B. Rugg Fellowship.** The income from a fund of \$26,600 established in memory of Charles Belcher Rugg, of the Class of 1911, provides a fellowship to be awarded to an Amherst graduate who shows promise for the study of law. The award is made annually to aid a young man beginning a legal career, but it may be renewed for a second or third year upon recommendation of the Fellowship Committee.

**The John Woodruff Simpson Fellowships and Lectureships.** A fund now amounting to \$215,500 was established in memory of John Woodruff Simpson of the Class of 1871, by his wife and daughter. The uses of the income as defined by the donors follow:

"1. To award to any graduate of Amherst College a fellowship for use in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;



## AMHERST COLLEGE

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

**The Benjamin Goodall Symon, Jr. Memorial Fellowship.** The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader, and who is qualified scholastically to meet the calling of a theological career creditably, although he may plan to use the divinity school training for work in another field. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The fellowship will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

**The Roland Wood Fellowship.** Awarded annually upon the recommendation of the Department of Dramatic Arts as a fellowship to one or more promising and deserving graduates of Amherst College for continued study in or of the theater.

**Fellowships Awarded by the American Schools of Classical Studies at Athens and Rome.** The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any teacher of Classics at the College.



# Prizes and Awards

THE following prizes and awards are offered annually for proficiency in the work of the several departments of collegiate study and, in some specific awards, for other achievements and qualifications. The amount and the recipient of awards for the previous year are stated in each case.

## AMERICAN STUDIES

**The George Rogers Taylor Prize.** To the student enrolled in American Studies 12 who, in the opinion of the American Studies Department, shows most promise for creative and scholarly work in the field of American Studies. \$25 to *David Mosser Brown* '73.

## ART

**The Anna Baker Heap Prize.** Established by Arnold N. Heap of the Class of 1873—To that senior who submits the best essay in the field of "Art." No award in 1973.

**The Athanasios Demetrios Skouras Prize.** Given by the Class of 1936 in memory of Athanasios Demetrios Skouras of the Class of 1936, who died in 1943 in Athens, Greece, as a result of Nazi reprisal killings—To a student who, in the opinion of the Fine Arts Department, has created an outstanding work of art or architecture; or to a student who, in the opinion of the Music Department, is pre-eminent in music composition or performance, preference to be given in the fine arts. \$50 to *Thomas Geoffrey Brady* '73 and \$50 to *Patrick Michael Collins* '73.

## BIOLOGY AND GEOLOGY

**The Harvey Blodgett Award.** Established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the Class of 1829—To aid student work in biology and geology in their educational phases as distinct from their more technical and scientific phases. (Combined with the Phi Delta Theta Award.) \$310 to *Douglas Wheeler Silsbee* '75.

**The James R. Elster Award.** Established by Dr. and Mrs. Samuel K. Elster in memory of their son, James R. Elster of the Class of 1971—To provide research support in the summer months to an undergraduate studying in the Department of Biology who is designated by the Chairman in consultation with Department members. \$415 to *Robert Maynard Cohen* '74.

## AMHERST COLLEGE

**The Phi Delta Theta (Sigma) Award.** Established by Phi Delta Theta Fraternity—To a student of biology for summer work at the Woods Hole Marine Laboratory. (Combined with the Harvey Blodgett Award.) \$310 to *Douglas Wheeler Silsbee '75*.

**The Oscar E. Schotté Prize.** To that member of the graduating class who, in the opinion of the Department, has done the best independent work in biology. \$32.50 to *Jonathan Brewster Hayden '73* and \$32.50 to *Gary Michael Horbar '73*.

**The Oscar E. Schotté Summer Research Award**—To a junior or senior majoring in science to enable him to complete a special project during the summer months. \$265 to *Stephen Lamont Senft '74*.

## CHEMISTRY AND MEDICINE

**The Howard Waters Doughty Prize.** Established by an anonymous donor—To that member of the senior class who, in the opinion of the Department of Chemistry, has prepared the best honors thesis. \$40 to *Stephen Payne Goff '73*, \$40 to *Steven Shak '73*, and \$40 to *Kenneth Marshall Straub '73*.

**The Frank Fowler Dow Prizes.** Established by Fayette B. Dow of the Class of 1904 in memory of his father—To that junior or senior preparing to enter medical school, whose undergraduate work indicates a career of usefulness and distinction in medicine. \$150 to *David Gordon '73* and \$150 to *Brock Poston Whittenberger '73*.

## DRAMATICS

**The Raymond Keith Bryant Prize.** Given by Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant of the Class of 1936—To that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play. \$45 to *Geoffrey Lynn Keller '73* for his performance of the title role in *Hamlet*.

## ECONOMICS

**The W. T. Akers, Jr. Prize.** Given by W. T. Akers, Jr. of the Class of 1927—To that undergraduate who, in the opinion of the Department of Economics, has submitted the best honors thesis in economics. \$50 to *Christopher Robin Hilbert '73* and \$50 to *David Albin Wojcik '73*.

**The Hamilton Prize.** Established by his former students in memory of Professor Walton Hale Hamilton (Amherst College 1915-1923)—To that student other than a senior who ranks highest in the introductory economics course. \$30 to *Robert James McCartney '75*.

## PRIZES AND AWARDS

**The Merrill Center Prize**—To that senior who, in the opinion of the Department of Economics, has written an honors thesis of distinction upon a subject related to capital formation and economic growth. \$50 to *Michael Broad* '73.

**The Sylvester Prize.** To that junior majoring in economics, who has done outstanding work in the department while maintaining a worthy general average. \$125 to *Robert Everett Bosworth* '74 and \$125 to *Marc Edward Manly* '74.

## ENGLISH

**The Academy of American Poets Prize.** Given by Harry Woodbourne—To the undergraduate submitting the best poem or group of poems, preferably on nature. \$100 to *Thomas Malcolm Skove* '73.

**The Armstrong Prize.** Established in part by Collin Armstrong of the Class of 1877 in memory of his mother Miriam Collin Armstrong—To members of the freshman class who excel in composition. *No award in 1973.*

**The Collin Armstrong Poetry Prize.** Established in part by Mrs. Elizabeth H. Armstrong—To the undergraduate submitting the best original poem or group of poems. \$67.50 to *Leslie Eric Wolf* '73 and \$67.50 to *Edwin James Heffernan* '74.

**The Corbin Prize.** Established by a bequest from the estate of William Lee Corbin of the Class of 1896—To a student submitting an outstanding original composition in the form of poetry or an informal essay. \$100 to *Walter Carroll Johnson* '74.

**The Harry Richmond Hunter, Jr. Prize.** Established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the Class of 1929—To that sophomore who presents the best essay on a topic approved by the Department of English. \$50 to *Eric Jason Sonnenschein* '75.

**The Peter Burnett Howe Prize.** Established by Robert B. Howe of the Class of 1930 in memory of his son, Peter Burnett Howe of the Class of 1960—To an undergraduate for excellence in prose fiction. \$60 to *Charles Cameron Mann* '76.

**The Ralph Waldo Rice Prize.** Established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice of the Class of 1910—To the student submitting the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty. \$185 to *Douglas Neil Babington* '73.

## AMHERST COLLEGE

### FRENCH

**The Frederick King Turgeon Prize** in French Literature. Established by former students of Professor Turgeon (Amherst College 1926-1969)—To the student who, in the opinion of the faculty in French, has done particularly distinguished work in French literature during the year. *Books awarded to Thomas Alexander Ehrgood, Jr. '73 and Gil Ramon Valenzuela '73.*

### GREEK

**The William C. Collar Prize.** Established by William C. Collar of the Class of 1859—To the freshman who shall make on a written examination the best version in English of a previously unseen page from some Greek author. *\$145 to Bruce Fraser Brodigan '76.*

**The Hutchins Prize,** from the income of a fund of \$1,400, established by the late Waldo Hutchins of the Class of 1842; \$145 is awarded to an upper-classman for excellence in Greek. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates. *James David Velleman '74.*

### HISTORY

**The Alfred F. Havighurst Prize**—To that student majoring in the Department of History who, in the opinion of the faculty in history, has, in his four years at Amherst College, best fulfilled the standards of excellence and humane scholarship exemplified by Alfred F. Havighurst during the many years (1931-1970) of his teaching career at Amherst College. *\$50 to Gary John Kornblith '73 and \$50 to John Thomas Patterson '73.*

### JOURNALISM

**The Samuel Bowles Prize.** Established by Samuel Bowles King of the Class of 1902 to stimulate interest in journalism as a career—To a junior or senior who has demonstrated proficiency in journalism. The available income may be used from time to time for a scholarship or toward a lectureship. *\$390 to Charles Trueheart '73.*

### LATIN

**The Bertram Prizes.** Established by John Bertram of Salem—To students attaining a high average in Latin courses of the senior year who also present the best essays on some approved topic connected with these courses. *\$180 to Marc David Winkelman '73.*



## PRIZES AND AWARDS

**The Billings Prizes.** Established by Frederick Billings in memory of Parmly Billings of the Class of 1884—To students achieving general excellence in the Latin courses of the sophomore year who also present the best essays on some approved topic connected with the authors read in that year. *First Prize: \$85 to Thomas Francis Curley, Jr. '76; Second Prize: \$40 to Brian Henry Dumaine '75.*

**The Crowell Prizes.** Established in memory of Edward Payson Crowell of the Class of 1853—To students of the highest scholarship in the freshman Latin courses; and to students attaining a high average in the Latin courses of the junior year who also present the best essays on some approved topic connected with these courses. *Freshman Awards: First Prize—\$85 to Bruce Fraser Brodigan '76; Second Prize—\$40 to Barnaby Adam Allison '76; Junior Awards: First Prize: \$85 to James David Velleman '74; Second Prize: \$40 to Stephen Paterson Belcher, IV, '74.*

## MATHEMATICS, PHYSICS AND ASTRONOMY

**The Bassett Physics Prizes.** Established by Preston Rogers Bassett of the Class of 1913—To students who have distinguished themselves by the excellence and maturity of their performance in the class and laboratory work of the first course in physics. *First Prize: \$250 to Robert Frederick Conger '75. Second Prize: \$150 to Jan Tobochnik '75.*

**The Robert H. Breusch Prize.** To the senior who, in the opinion of the faculty in mathematics, has presented the best honors thesis in mathematics. *\$25 to Edgar Charles Romero '73.*

**The Porter Prize.** Established by Eleazer Porter of Hadley—For proficiency in first-year astronomy. *\$80 to Kevin Hays Baines '76.*

**The William Warren Stifler Prize.** Established by Professor Stifler (Amherst College 1925-1953)—To a senior majoring in physics, nominated by the faculty in physics, for excellence in the courses of the junior and senior years, with special weight in the course on electricity and magnetism. *\$115 to Paul Randolph Murphy '73.*

**The Walker Prizes.** Established by William J. Walker of Newport, Rhode Island—To students achieving proficiency in mathematics of the first and second years as determined by an examination. *First year—First and Second Prizes: \$150 each to Charles Edward Davidow '76 and David Marc Levy '76; Second Year—First Prize: \$200 to Peter Wesley Alfvén '75; Second Prize: \$100 to Robert Frederick Conger '75.*

## AMHERST COLLEGE

### MUSIC

**The Eric Edward Sundquist Prize.** Established by the Class of 1936 in memory of Eric Edward Sundquist of the Class of 1936—To a senior who has demonstrated excellence in musical composition and performance. \$25 each to Gregory Michael Hayes '73, William Frantz McCorkle, Jr., '73, Paul Frank Salerni '73, and William Scott Wheeler '73.

### PHILOSOPHY AND RELIGION

**The Moseley Prizes.** Established by Thomas W. H. Moseley of Hyde Park—To seniors for the best essays on a subject pertaining to the study of religion. *First Prize: \$510 to Leon Frederick Edelman '73; Second Prize \$260 to Chester Jay Stern '73.*

### PHYSICAL EDUCATION

**The Sawyer Prizes.** Established by Edmund H. Sawyer (Hon. 1878)—To senior and sophomore students for improvement in the Department of Physical Education. *Senior Prize: \$97.50 to Ira Neustadt '73. Sophomore Prize: \$97.50 to Richard George Walker '75.*

**Sphinx Club Spoon.** The Sphinx Club of Amherst College awards the Sphinx Spoon at the annual All-Sports Banquet to: "that member of the student body irrespective of class and not necessarily an athlete, who in the eyes of the Committee consisting of the President of the College, the Dean of the College, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and upon the recommendations of the Sphinx Club, has done the most to promote the interests of athletics at Amherst during the past year—interest to be defined as unusual participation in athletics, or outstanding contribution to the management or promotion of athletics, or in any way focusing the attention of the College or the public on athletics at Amherst College." *Donald Craig Martin '73.*

### POLITICAL SCIENCE

**The Densmore Berry Collins Prize.** Given by Miss Margaret S. Densmore in memory of her nephew, Densmore Berry Collins of the Class of 1940—To the student submitting the best honors thesis in the Department of Political Science. \$50 to Mark Lawrence Gerchick '73.

### PUBLIC SPEAKING

**The Bancroft Prizes.** Established by Frederic Bancroft of the Class of 1882—To the two seniors who produce the best orations, both composition and

## PRIZES AND AWARDS

delivery being considered in making the award. *First Prize: \$400 to George Robert Johnson '73. Second Prize: \$230 to Robert Douglas Murphy '73.*

**The Gilbert Prize.** Established by William O. Gilbert of the Class of 1890—To the junior who produces the best oration, both composition and delivery being considered in making the award. *\$100 to Kenneth Joseph Krushel '74.*

**The Hardy Prizes.** Established by Alpheus Hardy of Boston—For excellence in extemporaneous speaking. *First Prize: \$90 to Steven Lazar Emanuel '73; Second Prize: \$40 to Lawrence David Dardick '73.*

**The Kellogg Prizes.** Established by Rufus B. Kellogg of the Class of 1858—To sophomores or freshmen for excellence in declamation. *First Prize: \$70 to Norman Cecil Tobias '75. Second Prize: \$50 to Ronald Heribert Ware '76.*

**The Rogers Prize.** Established by Noah C. Rogers of the Class of 1880—To a junior for excellence in debate. *No award 1973.*

## SCHOLARSHIP AND CITIZENSHIP

**The Addison Brown Award.** Established by Addison Brown of the Class of 1852—To that senior already receiving financial assistance under the regular procedures of the College who shall have attained the highest standing in the studies of the first three years. *\$625 to Paul Gordon Yock '73.*

**The Samuel Walley Brown Award.** Established by Samuel Walley Brown of the Class of 1866—To that sophomore who, at the end of the sophomore year, shall, in the estimation of the Trustees, rank highest in his class in character, class leadership, scholarship, and athletic ability. *\$625 to David H. Smilow '74.*

**The Computer Center Prize**—For outstanding contributions in the application of the computer to a broad range of academic disciplines, and for help to students and faculty at the Computer Center. *Stephen Payne Goff '73 and Anthony Kevin Wingo '73.*

**The Friends of the Amherst College Library Prizes**—To students who demonstrate strong interests in book collecting and who present good beginning collections. *First and Second Prizes: \$62.50 to John David French '75 and \$62.50 to Mark Hugh Rock Lyons '76; Third Prize: \$25 to Henri-Jean François Servat, Special Student.*

**The Robert L. Leeds, Jr. Honor Award.** Established in honor of Robert Leeds, Jr. of the Class of 1951—To a senior who has demonstrated through action a lasting commitment to projects of social concern. *A \$100 bond and an engraved medallion to Alan Lawrence Sklover '73.*

## AMHERST COLLEGE

**The Gordon B. Perry Memorial Award**—To a freshman in good academic standing whose participation and attitude in freshman athletics and other activities are outstanding. \$135 and a trophy to *Jonathan Potter Coffin '76*.

**The Porter Admission Prize.** Established by Eleazer Porter of Hadley—To the entering freshman who is adjudged to have the best general record on the College Board tests taken for admission to Amherst, the name of the successful candidate and that of his school to be published in the catalog. \$114 to *Michael Richard Needle '76*. *Abington High School, Abington, Pennsylvania*.

**The Psi Upsilon Prize.** Established by Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter—To that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be "The First Citizen of the College." \$445 to *David Mosser Brown '73*.

**The John Sumner Runnells Memorial Prize.** Established in memory of John Sumner Runnells of the Class of 1865—To that sophomore who is, in the opinion of the Trustees of the College, preeminent in his zeal for knowledge and industry to attain it. \$625 to *Quoc-Cuong Ha '74*.

**The Obed Finch Slingerland Memorial Prize.** Established anonymously and awarded by the Trustees of the College—To that junior, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education. \$1,200 to *Rudolf Raines '73*.

**The Stanley V. and Charles B. Travis Prize.** Established by Charles B. Travis of the Class of 1864—To that member of the graduating class who has made the most improvement as a man and as a scholar during his college course. (Combined with The Woods Prize.) \$130 to *Paul Gordon Yock '73* and \$130 to *Ratliff Michael Newton '73*.

**The M. Abbott Van Nostrand Prize.** Given by The Friends of the Amherst College Library—To that entrant in the student book collection competition who demonstrates considerable experience, knowledge, and ability in book collecting. *No award 1973*.

**The Woods Prize.** Given in memory of Josiah B. Woods of Enfield—For outstanding excellence in culture and faithfulness to duty as a man and as a scholar, particular attention being given in any prominent case of improvement during the four years' course. (Combined with the Travis Prize.) \$130 to *Paul Gordon Yock '73* and \$130 to *Ratliff Michael Newton '73*.



## PRIZES AND AWARDS

**The Ashley Memorial Trophy.** Given by the Class of 1916 in memory of Thomas W. Ashley who was killed in action at Belleau Wood in 1918—To the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game." *Richard Nathaniel Murphy '73 and Robert Milton Wilson, Jr. '73.*

**The Howard Hill Mossman Trophy**—To that senior who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and sportsmanship. *Robert George LaVigne '73.*

**The Lincoln Lowell Russell Prize.** Established by J. W. Russell, Jr. of the Class of 1899, in memory of his son—To that member of the graduating class who has done most to foster the singing spirit in Amherst College. *\$60 to Peter Swift Buehler '73 and \$60 to Theodore Henry Lenox, III, '73.*

# Degrees Conferred

OCTOBER 28, 1972

**Bachelor of Arts**

**RITE**

Taylor Metcalf Allen  
*Rockport, Maine*

Michael Charles Guetti  
*New London, Connecticut*

James Whitney Garberson  
*Montague, Massachusetts*

Kenneth Mason Wachtell  
*Brooklyn, New York*

APRIL 7, 1973

**Bachelor of Arts**

**SUMMA CUM LAUDE**

Robert Ray Bruner  
*Independent Scholar*  
*Kansas City, Missouri*

James David Wicklatz  
*History*  
*Wayzata, Minnesota*

**MAGNA CUM LAUDE**

Douglas Neil Babington  
*English*  
*Stamford, Connecticut*

William Ernest Lenz, III  
*English*  
*With Field Study*  
*Orangeburg, New York*

John Howard Kramer  
*Geology*  
*With Field Study*  
*Bethesda, Maryland*

Brant Leed Viner  
*Spanish*  
*With Field Study*  
*Washington, D.C.*

## DEGREES CONFERRED

### CUM LAUDE

James Thacher Brock  
*Biology*  
*With Field Study*  
*Ridgewood, New Jersey*

Christopher Duffield  
*Geology*  
*Tucson, Arizona*

John Wharton Rain  
*Philosophy*  
*With Field Study*  
*Dallas, Texas*

Alan Joel Zametkin  
*Psychology*  
*With Field Study*  
*Providence, Rhode Island*

### RITE

Peter Caroff  
*With Field Study*  
*New York, New York*

John Alexander Chapin  
*Wellesley Hills, Massachusetts*

Robert Ayers Eaton, Jr.  
*With Field Study*  
*Hampton Falls, New Hampshire*

Peter van Rensselaer Franchot  
*East Dover, Vermont*

James Terence Galvin  
*Wellfleet, Massachusetts*

Burton Robert Hall  
*Bethesda, Maryland*

John Francis Hamilton  
*Forrestville, Connecticut*

Daniel Jonathan Kaufman  
*With Field Study*  
*Great Neck, New York*

Dae-Young Kim  
*Washington, D.C.*

James Alan Miller  
*With Field Study*  
*Concord, New Hampshire*

Barry Nelson Roderick  
*Oxford, Maine*

Kenneth John Stickney, Jr.  
*With Field Study*  
*Cranston, Rhode Island*

Matthew Alan Tallow  
*With Field Study*  
*West Hartford, Connecticut*

Christopher Ken Uyehara  
*West Chester, Pennsylvania*

Geoffrey Stearns Walker  
*River Forest, Illinois*

## JUNE 1, 1973

### Bachelor of Arts

### SUMMA CUM LAUDE

Michael Broad  
*Economics*  
*(rite in Mathematics)*

*Manchester, New Hampshire*

# AMHERST COLLEGE

David Mosser Brown <i>American Studies</i>	Framingham, Massachusetts
William Howard Clark, Jr. <i>American Studies</i>	Swarthmore, Pennsylvania
Patrick Michael Collins <i>Fine Arts</i>	Branford, Connecticut
Steven Lazar Emanuel <i>Interdisciplinary: Economics and French</i>	Teaneck, New Jersey
Stephen Payne Goff <i>Biophysics</i>	Swansea, Massachusetts
David Gordon <i>Chemistry</i>	Silver Spring, Maryland
Gregory Michael Hayes <i>Music</i>	River Forest, Illinois
Christopher Robin Hilbert <i>Economics</i>	Newton Square, Pennsylvania
Job Hopfan <i>Independent Scholar</i>	Roslyn Heights, New York
Walter Carl Kester <i>Economics</i>	Swampscott, Massachusetts
Douglas Donald Koch <i>Independent Scholar</i>	North Street, Michigan
Gary John Kornblith <i>History With Field Study</i>	Pound Ridge, New York
William Bayard Miller, Jr. <i>English</i>	Wallingford, Pennsylvania
Robert Paine, III <i>Philosophy</i>	St. Louis, Missouri
John Thomas Patterson <i>History</i>	Weston, Massachusetts
Edgar Charles Romero <i>Mathematics With Field Study</i>	Seattle, Washington
Robert Leonard Rosenbaum <i>Independent Scholar</i>	Mount Vernon, New York
Richard Vance Sailor <i>Geology</i>	East Patchogue, New York



## DEGREES CONFERRED

Paul Frank Salerni <i>Music</i>	<i>New Britain, Connecticut</i>
Steven Jay Scheinman <i>Independent Scholar</i>	<i>Woodbourne, New York</i>
Steven Shak <i>Chemistry</i> <i>With Field Study</i>	<i>Cranford, New Jersey</i>
John DeWitt Shuck <i>Interdisciplinary: Economics</i> <i>and American Studies</i>	<i>La Jolla, California</i>
George Mark Shulman <i>Interdisciplinary: Political</i> <i>Economy</i>	<i>Mountainside, New Jersey</i>
Jay Williams Swanson <i>English</i>	<i>Orchard Park, New York</i>
Brock Poston Whittenberger <i>Chemistry</i>	<i>Grand Rapids, Michigan</i>
Paul Gordon Yock <i>Independent Scholar</i>	<i>St. Louis Park, Minnesota</i>

## MAGNA CUM LAUDE

James Albert Austin, Jr. <i>Geology</i>	<i>Scarsdale, New York</i>
Robert Kenneth Bell <i>Sociology</i> <i>With Field Study</i>	<i>Bronx, New York</i>
Carl Stephen Bellante <i>English</i>	<i>Clarks Summit, Pennsylvania</i>
John Lawrence Bellante <i>English</i>	<i>Clarks Summit, Pennsylvania</i>
Richard Lawrence Benzel <i>French</i>	<i>North Haven, Connecticut</i>
Robert Alan Blackstone <i>American Studies</i>	<i>East Braintree, Vermont</i>
Richard Bruce Cohen <i>English</i> <i>With Field Study</i>	<i>East Rockaway, New York</i>
David Trist Conger <i>Fine Arts</i>	<i>Denver, Colorado</i>
John Joseph D'Andrea <i>Economics</i>	<i>Belmont, Massachusetts</i>

# AMHERST COLLEGE

Joseph Robert DeMartine <i>Music</i> (cum laude in English)	Steep Falls, Maine
Stephen George Dibble <i>English</i>	Cincinnati, Ohio
Donnelly Stewart Douglas <i>Anthropology</i>	Westbrook, Maine
David Alan Downes <i>English</i> (rite in Psychology)	West Hartford, Connecticut
Leon Frederick Edelman <i>American Studies</i>	Glencoe, Illinois
Joel Richard Lewis Ehrenkranz <i>Independent Scholar</i>	South Orange, New Jersey
Thomas Alexander Ehrgood, Jr. <i>French</i>	Lebanon, Pennsylvania
Mark Lawrence Gerchick <i>Political Science</i>	Scarsdale, New York
Kenneth David Gold <i>Philosophy</i>	Plainview, New York
Alan Robert Goodman <i>American Studies</i>	Ware, Massachusetts
Bruce Anthony Harris <i>Black Studies</i>	Cedar Rapids, Iowa
John Hunnewell Hasen <i>Anthropology</i>	New York, New York
David John Helfand <i>Independent Scholar</i> <i>With Field Study</i>	Mattapoisett, Massachusetts
Martin Rossiter Hoke <i>Music</i>	Lorain, Ohio
Gary Michael Horbar <i>Biology</i> (rite in Philosophy)	East Rockaway, New York
Raphael Tyrone Johnson <i>Independent Scholar</i>	St. Albans, New York
Eric Richard Johnston <i>Chemistry</i>	Provincetown, Massachusetts
William Joseph Keenan, Jr. <i>Economics</i>	West Hartford, Connecticut

# DEGREES CONFFERRED

Stephen Norbett Keith <i>Black Studies</i>	Chicago, Illinois
David Aaron Kessler <i>Independent Scholar</i>	Freeport, New York
Steven Klugman <i>American Studies</i>	Havertown, Pennsylvania
Theodore Craig Levin <i>Music</i>	Windsor, New Hampshire
Clyde Loo <i>Independent Scholar</i>	New York, New York
William Charles Mackey <i>Religion</i>	New Canaan, Connecticut
David Michael Margulies <i>Independent Scholar</i>	Springfield, New Jersey
William Frantz McCorkle, Jr. <i>Music</i>	Lexington, Virginia
Jeffrey Paul Metzger <i>History</i> <i>With Field Study</i>	Haworth, New Jersey
James Murchie Eaton Mixter, Jr. <i>Economics</i>	Cincinnati, Ohio
Harold Carl Mueller <i>Economics</i>	Creve Coeur, Missouri
Paul Randolph Murphy <i>Physics</i>	Philadelphia, Pennsylvania
Jay Arthur Nash <i>English</i>	New York, New York
Carl Eric Nelson <i>Geology</i>	Concord, Massachusetts
John Ely Noyes <i>History</i>	Amherst, Massachusetts
James David O'Brien <i>Religion</i> <i>(rite in Geology)</i>	Danvers, Massachusetts
William Bruce O'Neil <i>Economics</i>	Concord, Massachusetts
Peter Jay Rachleff <i>Independent Scholar</i>	New London, Connecticut
Dirk Stanley Roberts <i>American Studies</i>	New York, New York

# AMHERST COLLEGE

Mark Alan Rosen <i>Political Science</i> <i>With Field Study</i>	<i>West Hartford, Connecticut</i>
Thomas Fredrick Ross <i>Biophysics</i>	<i>Princeton, New Jersey</i>
Stephen David Ryan, III <i>History</i>	<i>Locust Valley, New York</i>
Peter Edward Scheer <i>American Studies</i>	<i>Poughkeepsie, New York</i>
Frederick William Schneider <i>Fine Arts</i>	<i>Yonkers, New York</i>
James Roger Scholten <i>Physics</i>	<i>Wayland, Massachusetts</i>
Thomas Braddock Simpson, III <i>Economics</i>	<i>New Canaan, Connecticut</i>
Thomas Malcolm Skove, Jr. <i>English</i> <i>With Field Study</i>	<i>Aurora, Ohio</i>
Allen Lawrence Springer <i>American Studies</i>	<i>Geneva, New York</i>
Chester Jay Stern <i>Religion</i> <i>With Field Study</i>	<i>Denver, Colorado</i>
Kenneth Marshall Straub <i>Chemistry</i>	<i>Alexandria, Virginia</i>
John Brooks Tarnoff <i>Independent Scholar</i>	<i>Los Angeles, California</i>
Edward Bennett Tasch <i>English</i>	<i>Stamford, Connecticut</i>
Malcolm Stuart Thaler <i>Independent Scholar</i>	<i>Poughkeepsie, New York</i>
Stephen John Tolle <i>Anthropology</i> <i>With Field Study</i>	<i>Hingham, Massachusetts</i>
Richard Philip Tonino <i>Chemistry</i>	<i>West Hartford, Connecticut</i>
Charles Trueheart <i>History</i>	<i>Washington, D.C.</i>
Charles Stephen Unfug <i>Anthropology</i>	<i>Fort Collins, Colorado</i>



## DEGREES CONFERRED

William Scott Wheeler <i>Music</i>	<i>Darien, Connecticut</i>
David Albin Wojcik <i>Economics</i>	<i>Ware, Massachusetts</i>
Leslie Eric Wolf <i>Independent Scholar</i> <i>With Field Study</i>	<i>Shaker Heights, Ohio</i>
Daniel Rick Wolpaw <i>Independent Scholar</i> <i>With Field Study</i>	<i>Shaker Heights, Ohio</i>
William Henderson Woolverton, III <i>History</i> <i>(rite in English)</i>	<i>East Norwich, New York</i>
Elmer Lorne Pennock Young <i>Mathematics</i>	<i>Harrison, New York</i>
David Raphael Zaret <i>Sociology</i>	<i>Great Neck, New York</i>

## CUM LAUDE

Stark Ackerman <i>Independent Scholar</i> <i>With Field Study</i>	<i>Allentown, Pennsylvania</i>
Paul Thorburn Allen <i>Political Science</i>	<i>Worcester, Massachusetts</i>
Victor Ashrafi <i>English</i>	<i>Dunellen, New Jersey</i>
Peter Joseph Auger <i>American Studies</i>	<i>Hyannis, Massachusetts</i>
Mark Monroe Beckwith <i>Religion</i>	<i>Darien, Connecticut</i>
William Brian Bedwell <i>Chemistry</i>	<i>Grosse Pointe Farms, Michigan</i>
Christopher Martin Bennett <i>American Studies</i>	<i>Wellesley, Massachusetts</i>
John Robertson Black <i>Biology</i>	<i>Blowing Rock, North Carolina</i>
Irving Foster Brown <i>Geology</i>	<i>Ogdensburg, New York</i>
Kenneth James Burchfiel, Jr. <i>Interdisciplinary: Classics</i> <i>and History</i>	<i>Muskogee, Oklahoma</i>

# AMHERST COLLEGE

Salvatore Joseph Carbone <i>History</i>	Fonda, New York
Jesse Huntington Carr <i>Independent Scholar</i>	Hempstead, New York
Michael Carroll Cawley <i>Economics</i>	Bristol, Connecticut
Craig Emerson Cline <i>English</i>	Williamsport, Maryland
Christopher James Connelly <i>English</i>	Turners Falls, Massachusetts
John Cooper Cuddy <i>Political Science</i>	Garden City, New York
Carl Frederick Dillon, Jr. <i>History</i>	Lowell, Massachusetts
David Rodman Eastburn <i>Economics</i>	Doylestown, Pennsylvania
Danny Walter Eaton <i>Dramatic Arts</i>	Wilbraham, Massachusetts
Andrew Ernest Epstein <i>English</i>	Ann Arbor, Michigan
David Brooks Fernald <i>American Studies</i>	Needham, Massachusetts
John Martin Fox <i>Physics</i> (rite in Economics)	Lancaster, Pennsylvania
Jeffrey Taylor Golenbock <i>Political Science</i>	Scarsdale, New York
Isaac Anthony Harris, Jr. <i>Physics</i>	Darien, Georgia
Jonathan Brewster Hayden <i>Biology</i>	Yarmouth, Maine
Geoffrey Thayer Heald <i>English</i> <i>With Field Study</i>	Hingham, Massachusetts
Richard Douglas Holmes <i>History</i>	Howard Beach, New York
Richard Hudspeth Hunter <i>American Studies</i>	Cresskill, New Jersey
Kenneth Robert Huskins <i>Chemistry</i>	Hempstead, New York

# DEGREES CONFERRED

R. Lloyd Jaeger <i>History</i>	<i>Suffern, New York</i>
George Robert Johnson, Jr. <i>American Studies</i>	<i>Columbus, Georgia</i>
Kazuhiro Kaiho <i>Political Science</i>	<i>Nara-shi Nara-ken, Japan</i>
Thomas Lawson Kemp <i>American Studies</i>	<i>Potomac, Maryland</i>
Bruce Stewart Klutchko <i>Physics</i>	<i>Farmingdale, New York</i>
Charles Scott Lachman <i>History</i>	<i>New York, New York</i>
Henry Carter Land, III <i>French</i>	<i>Alexandria, Virginia</i>
Theodore Henry Lenox, III <i>Interdisciplinary: Psychology and Religion</i>	<i>Nashville, Tennessee</i>
Donald Craig Martin <i>Psychology</i>	<i>Sturgis, Michigan</i>
Robert Grosvenor McCreary, III <i>English</i>	<i>Shaker Heights, Ohio</i>
Stephen Mark Menitove <i>Biology</i>	<i>Rockville Centre, New York</i>
Andrew Kirk Messersmith <i>Fine Arts</i>	<i>Lancaster, Pennsylvania</i>
Gary Marc Messing <i>Anthropology With Field Study</i>	<i>New York, New York</i>
Jeffrey Lee Milam <i>Religion</i>	<i>Los Angeles, California</i>
Carlos Alejandro Miranda <i>English</i>	<i>Santiago, Chile</i>
Robert Lawton Mitchell, Jr. <i>Economics With Field Study</i>	<i>Garden City, New York</i>
Eric Charles Orme <i>History</i>	<i>Salt Lake City, Utah</i>
Bruce Arthur Ourieff <i>Fine Arts</i>	<i>Los Angeles, California</i>
David John Pascone <i>English</i>	<i>Johnston, Rhode Island</i>

# AMHERST COLLEGE

William Thompson Pease <i>Chemistry</i>	Wilmington, Delaware
William Walter Phillips <i>Chemistry</i>	Westfield, New Jersey
John Pullman <i>Biology</i>	Hornell, New York
Rudolf Raines <i>American Studies</i>	Brooklyn, New York
Alan Brewster Rich, Jr. <i>English</i>	Portland, Maine
Michael Paul Sarsynski, Jr. <i>American Studies</i>	Hadley, Massachusetts
Peter Cobb Sawyers <i>American Studies</i>	Claremont, California
Bryan Marshall Schneider <i>English</i>	Georgetown, South Carolina
Paul Robert Schneider <i>English</i>	Tucson, Arizona
John Franklin Skeele <i>History</i>	New Canaan, Connecticut
Alan Lawrence Sklover <i>Political Science</i>	Malverne, New York
Jeremiah Elijah Smith <i>Black Studies</i>	LaGrange, Georgia
Peter Lewis Sosnow <i>Biophysics</i>	Freeport, New York
Jeffrey Harold Squire <i>American Studies</i>	Levittown, Pennsylvania
Millens Walter Taft, III <i>Political Science</i>	East Longmeadow, Massachusetts
Frank Apthorp Vaughan <i>Biology</i>	Marshfield, Massachusetts
Jerre Stockton Williams, Jr. <i>Religion</i>	Austin, Texas
Robert Milton Wilson, Jr. <i>Black Studies</i>	Hartford, Connecticut
Anthony Kevin Wingo <i>Mathematics</i>	Washington, D.C.
William Daniel Wooten, Jr. <i>Black Studies</i>	Lynchburg, Virginia



## DEGREES CONFERRED

Charles Edward Wright  
*Religion*

Mark Henry Zickel  
*Political Science*

Villanova, Pennsylvania

Santurce, Puerto Rico

## RITE

Andrew Lewis Addison  
Leroy William Ahrendsdorf, Jr.

Robert Elmer Anderson, Jr.

John Kimberley Angelo

James Edward Barrett, III

Robert Loring Beatty, Jr.

Alan Walter Bisiewicz

Robert Eldredge Blood, III

Clyde Arthur Boothby

Thomas Geoffrey Brady  
*With Field Study*

Thomas Raymond Brennecke  
*With Field Study*

Allan Gibson Brodie, III

Peter Swift Buehler

Peter Williams Butler

Stephen Larcher Cochran

Kenneth Robert Cohen

Daniel Richard Cohn  
*With Field Study*

John Walter Connelly

Richard Warren Danielson

Robert Frederick Danner, Jr.

Lawrence David Dardick

Sidney James Davis, Jr.

Robert Lee Dean

Andrew Seth Doniger

John Lee Ellis

Lee William Feuerstein  
*With Field Study*

Presley Franklin

Edward Hines Galloway

Lakewood, New Jersey

Wauwatosa, Wisconsin

West Barrington, Rhode Island

Hinsdale, Illinois

Amherst, Massachusetts

Darien, Connecticut

Holyoke, Massachusetts

Marblehead, Massachusetts

Gorham, Maine

Lynnfield, Massachusetts

Marshalltown, Iowa

Glenview, Illinois

Pound Ridge, New York

Winnetka, Illinois

Chevy Chase, Maryland

White Plains, New York

Stamford, Connecticut

Amherst, Massachusetts

Fair Haven, New Jersey

Wellesley Hills, Massachusetts

New Haven, Connecticut

New York, New York

East Orange, New Jersey

Nanuet, New York

Fort Worth, Texas

New York, New York

Marks, Mississippi

Greensboro, North Carolina

# AMHERST COLLEGE

Richard Emile Gentilli  
 Stephen Lloyd Green  
 Michael Andrew Gumpert  
 Kevin Patrick Haggerty  
 Theodore Ray Hall

*Independent Scholar*

Robert Christopher Hicks  
 Alfred Clinton Higgins  
 John Aronow Hoag

*With Field Study*

Jerald Richard Iwanski  
 William Carroll Jacob, Jr.  
 Clifton Charles Johnson  
 Albert Richard Jones, III  
 Kenneth Leroy Jones

Geoffrey Lynn Keller

Jaap Jan Ketting

Edward Chian-Shuan King

Robert Edwin Kingman

*With Field Study*

George Peter Paul Kowal

Robert George LaVigne

Eric David Leskowitz

Thomas Gerold Libby

Christopher You Chee Louie

John Leonard MacKay

Dana Robert Mantini

Thomas Frederick Marberger

Peter Morris Martz

David Dennis McCarthy

Harold Estle McCray

Scott Audley McGill

John Evans McHenry, III

David Lang McNeil

David Willard McNeil

James Darrell McNitt

John Harrod Mitnick

Brian Robert Mullany

Milan, Italy

Amherst, Massachusetts

New York, New York

Arlington, Virginia

Tulsa, Oklahoma

Los Angeles, California

Washington, D.C.

Grosse Pointe, Michigan

Sterling Heights, Michigan

Larchmont, New York

Wilbraham, Massachusetts

Worcester, Massachusetts

Kinston, North Carolina

Pasadena, California

Bedford Hills, New York

Bethesda, Maryland

Wayzata, Minnesota

Glenview, Illinois

Hartford, Connecticut

Framingham, Massachusetts

Hastings-on-Hudson, New York

Needham, Massachusetts

Montreal, Canada

Minneapolis, Minnesota

Arcola, Pennsylvania

Alexandria, Virginia

Farmington, Connecticut

Philadelphia, Pennsylvania

Toronto, Canada

Reading, Pennsylvania

Wyoming, Ohio

West Boxford, Massachusetts

Winnetka, Illinois

Baltimore, Maryland

Amherst, Massachusetts

## DEGREES CONFERRED

Richard Nathaniel Murphy

Robert Douglas Murphy

John Arthur Nerbonne, Jr.

Ira Neustadt

Ratliff Michael Newton

Alan David Norman

Robert Bruce Parkhurst

Chris Allan Petrides

Mark Francis Phillips

Blaine Knight Rawdon

Verne Ross Read, III

Barry Jay Reingold

Carl Rosenkrantz

Edward Scott Rosenthal

*Independent Scholar*

Charles Peterson Roth

Mark Louis Russo

Angelo Henry Saladino

Leonard Vincent Samela

Stephen Edward Schoepfer

Andrew Ross Scott, Jr.

Henry Morgan Seaman

Jan William Senten

Thomas Rockwell Shepard, III

Peter Sils

*With Field Study*

Craig Anthony Skubi

Stephen Slade Smith

John Arbuthnott Stringer

John Thomas Swann

Clifford Lawrence Teutsch

Richard Stanley Thompson

David Duncan Tinker

Gil Ramon Valenzuela

Donald Macgregor Waller

*Independent Scholar*

David Keith Ware

Alexander Henderson Webb

Hingham, Massachusetts

Ramsey, New Jersey

Weymouth, Massachusetts

Florida, New York

Chicago, Illinois

Brookline, Massachusetts

Amherst, Massachusetts

Fitchburg, Massachusetts

Vernon, Connecticut

Riverside, California

Milwaukee, Wisconsin

Forest Hills, New York

Miami Beach, Florida

Tenafly, New Jersey

New York, New York

Deerfield, Massachusetts

Utica, New York

Waterbury, Connecticut

Wellesley Hills, Massachusetts

Sherborn, Massachusetts

Federal Way, Washington

Morristown, New Jersey

Greenwich, Connecticut

Concord, Massachusetts

Seattle, Washington

Rochester, New York

Darien, Connecticut

Knoxville, Tennessee

Glens Falls, New York

San Bernadino, California

Easton, Maryland

Washington, D.C.

Indianapolis, Indiana

Manchester, Connecticut

New York, New York

AMHERST COLLEGE

Stephen Mark Weiss  
William Wallace Wetrich  
Eric Henry Archibald Whyte  
James Edward Widmer  
Nathan Lord Wilbur  
Andre Martin Williams  
Marc David Winkelman  
Peter David Winkler  
Richard Arnold Wolff  
James Nayler Wyman  
Jeffrey Leaf Zurkow

*New York, New York*  
*Claremont, California*  
*Andover, Massachusetts*  
*Wayne, Pennsylvania*  
*Cummington, Massachusetts*  
*Trenton, New Jersey*  
*Shaker Heights, Ohio*  
*Bethesda, Maryland*  
*Winnetka, Illinois*  
*Amherst, Massachusetts*  
*Dover, Delaware*



# Honorary Degrees Conferred

SEPTEMBER 7, 1972

## MASTER OF ARTS

Asa Davis

JUNE 1, 1973

## DOCTOR OF HUMANE LETTERS

John Usher Monro

Grace Olivarez

Frederick Allen Parker 1920

Francis Taylor Pearsons Plimpton 1922

## DOCTOR OF LAWS

Cornelius Bodine 1938

Frederic Murray Hadley 1928

James William Miller 1935

## MEDAL FOR EMINENT SERVICE

Kurt Lewis Daniels 1923



# V

## ENROLLMENT







# Enrollment

## FALL SEMESTER 1973-1974

### Seniors Class of 1974

Abbondanza, Richard Joseph <i>Haverhill, Massachusetts</i>	Bonica, John Richard <i>North Bergen, New Jersey</i>
Ammons, Richard Allen <i>Springfield Gardens, New York</i>	Bosworth, Robert Everett <i>Amherst, Massachusetts</i>
Anderson, Anthony Bennett <i>Miami, Florida</i>	Brawley, Peter Edward <i>Stratford, Connecticut</i>
Angiolillo, Bruce Domenick <i>Roslyn Harbor, New York</i>	Breckberg, Robert Lee <i>Kodiak, Alaska</i>
Antonucci, Paul Robert Angelo <i>Windsor, Connecticut</i>	Brown, Gerald Graham, III <i>Potomac, Maryland</i>
Aronow, Nathan Joshua <i>Newton, Massachusetts</i>	Browne, Henderson Joseph, IV <i>Washington, D.C.</i>
Bancroft, Peter Ernest <i>Kennebunkport, Maine</i>	Bruno, Thomas Joseph, II <i>Philadelphia, Pennsylvania</i>
Bardolph, Richard, Jr. <i>Greensboro, North Carolina</i>	Bryant, Stephen Chandler <i>Winchester, Massachusetts</i>
Barry, Patrick Sean <i>Dover, Massachusetts</i>	Buchanan, John Andrew <i>Moorestown, New Jersey</i>
Barton, William Thomas <i>Summit, New Jersey</i>	Buchert, Peter Kenneth <i>Columbia, Missouri</i>
Beinhorn, Will Alston <i>San Antonio, Texas</i>	Buscaglia, John William <i>Buffalo, New York</i>
Belcher, Stephen Paterson, IV <i>Washington, D.C.</i>	Caffey, Andrew Alexander <i>Timonium, Maryland</i>
Bennett, Ralph Edward <i>Greenwich, Connecticut</i>	Carol, Mark Philip <i>Mamaroneck, New York</i>
Bennison, John Brice <i>Eastham, Massachusetts</i>	Carpenter, Stephen Russell <i>Bethesda, Maryland</i>
Berns, Mitchell <i>Ossining, New York</i>	Casey, Paul Christopher Patrick <i>Acton, Maine</i>
Bleiler, Robert Hilton, Jr. <i>Manchester, Connecticut</i>	Catto, Alistair John Alexander <i>Forfar, Angus, Scotland</i>
Blistein, David Schaffer <i>Providence, Rhode Island</i>	Caviston, Kerry Howard <i>Wenham, Massachusetts</i>
Boehm, Stephen Jordan Griffith <i>APO, New York</i>	Champagne, Oliver William Robert, Jr. <i>Paris, France</i>
Bonanno, Joseph Anthony James <i>Tenafly, New Jersey</i>	Chenault, Stephan Charles <i>Hempstead, New York</i>

# AMHERST COLLEGE

- Cheung, Wang Kong  
*Hong Kong*
- Chiba, Shin  
*Miyagi-Ken, Japan*
- Coates, Norman Francis, Jr.  
*Northampton, Massachusetts*
- Cohen, Robert Maynard  
*Chevy Chase, Maryland*
- Collins, Robert Deaver, Jr.  
*Nashville, Tennessee*
- Considine, Michael John Robert  
*Torrington, Connecticut*
- Cooke, William Owen, Jr.  
*Greensboro, North Carolina*
- Cooper, John Niessink, II  
*Kalamazoo, Michigan*
- Corey, David Paul  
*Wellesley Hills, Massachusetts*
- Cornell, Paul Vance  
*County Waterford, Ireland*
- Couch, Reese Francis  
*Philadelphia, Pennsylvania*
- Crossland, Fred Eugene, Jr.  
*Montvale, New Jersey*
- Crowe, Joseph Patrick, Jr.  
*Shaker Heights, Ohio*
- Cruikshank, Jeffrey Lloyd  
*Maplewood, New Jersey*
- Cummings, George Edward  
*Waltham, Massachusetts*
- Curry, Dennis Lackey  
*New Rochelle, New York*
- Dangremond, David William  
*Seneca Falls, New York*
- Dash, George Bertram  
*Wyncote, Pennsylvania*
- Davis, Charles Talcott, II  
*Bloomfield, Connecticut*
- Davis, Howard Zeleg  
*Broomall, Pennsylvania*
- Dean, Robert Maitland  
*North Scituate, Rhode Island*
- DeBragga, Richard Paul  
*Islip, New York*
- Decyk, Julian Borys  
*Providence, Rhode Island*
- Demick, David Francis  
*Pittsfield, Massachusetts*
- Doherty, Adrian Walter, Jr.  
*Short Hills, New Jersey*
- Donaldson, Charles Walter, Jr.  
*Huntsville, Alabama*
- Donati, Gianni Corso  
*Williamstown, Massachusetts*
- Doolittle, William David  
*Leawood, Kansas*
- Douglass, David Latham  
*Marblehead, Massachusetts*
- Douglass, Malcolm Paul, Jr.  
*Claremont, California*
- Dowling, Mark Woods  
*Wilton, Connecticut*
- Dube, David Harvev  
*DeWit, New York*
- Dumont, Gabriel Oliver, Jr.  
*Newton Square, Pennsylvania*
- Dunlap, William Holmes  
*Concord, New Hampshire*
- Dunnings, Stuart John, III  
*Lansing, Michigan*
- Duvall, Mark Nichol  
*Alexandria, Virginia*
- Eakland, Henry Nordling  
*La Canada, California*
- Eddy, Robert Douglas  
*Pinehurst, Massachusetts*
- Eichen, Glenn Neal  
*Hollis, New York*
- Eisen, Armand Avram  
*Prairie Village, Kansas*
- Ellen, Kenneth James  
*Winnetka, Illinois*
- Elovitz, Gerald Paul  
*York, Pennsylvania*
- Epstein, Daniel Mark  
*Philadelphia, Pennsylvania*
- Ettinghausen, Stephen Edmund  
*Princeton, New Jersey*
- Ewing, Lee Baylor  
*Cuba, Illinois*
- Farrell, Glenn Michael  
*Woodland Hills, California*
- Ferm, William Nelson  
*South Hadley, Massachusetts*
- Fitts, Frederic Perry  
*Potomac, Maryland*

## SENIORS

- Folliart, Danford Wilson  
*Oklahoma City, Oklahoma*
- Fort, Andrew Osmun  
*Plainfield, New Jersey*
- Francis, Henry Lloyd, Jr.  
*Woodbridge, Connecticut*
- Franklin, Kenneth William  
*Westbury, New York*
- Freeman, Peter Crosby  
*Lake Forest, Illinois*
- Freudenthal, David Duane  
*Thermopolis, Wyoming*
- Frew, Scott Little  
*Woodbury, Connecticut*
- Frost, Anthony De Witt  
*Fairfield, Connecticut*
- Furbush, Craig Marland  
*South Portland, Maine*
- Glista, Mark  
*Centerville, Massachusetts*
- Glover, Kenneth Elijah  
*North Englewood, Maryland*
- Goldberg, Charles Stephen  
*Forest Hills, New York*
- Goldring, Louis Mark  
*Jackson, Michigan*
- Goldshein, Mark Gilbert  
*New York, New York*
- Goodman, Jeffrey Howard  
*Portland, Maine*
- Gordon, Andrew Kenley  
*Bellevue, Washington*
- Gordon, Eric Rodney  
*Winston-Salem, North Carolina*
- Gordon, Frank Stephen  
*Bethesda, Maryland*
- Gordon, John Davidson  
*Wilmington, Delaware*
- Gordon, Michael  
*Beachwood, Ohio*
- Goulston, Richard Bruce  
*Brookline, Massachusetts*
- Gowdy, David Philip Wayne  
*Scotch Plains, New Jersey*
- Graves, William James  
*Peacham, Vermont*
- Greene, William Ellery, III  
*Bronxville, New York*
- Guild, Peter Bradford  
*Augusta, Maine*
- Ha, Quoc-Cuong  
*Saigon, South Vietnam*
- Hankin, Christopher Gallup  
*Potomac, Maryland*
- Harris, Nicholas Bennett  
*New York, New York*
- Hart, George William, III  
*Pueblo, Colorado*
- Harvey, David Stimson  
*McLean, Virginia*
- Hay, Joel Walker  
*Portland, Oregon*
- Hayner, Thomas Aquinas  
*Guilford, New Hampshire*
- Healy, William Lawrence, III  
*Needham, Massachusetts*
- Heffernan, Edwin James  
*Wells Beach, Maine*
- Hickey, Thomas Richard, Jr.  
*Westport, Connecticut*
- Hinckley, Stephen Mark  
*Hardwick, Massachusetts*
- Hollister, John Baker, III  
*Gates Mills, Ohio*
- Holt, Christopher Evan  
*Baldwinsville, New York*
- Horsmon, Terry Wayne  
*Temple City, California*
- Hottensen, Robert Garner, Jr.  
*Milwaukee, Wisconsin*
- Howard, Donald James  
*Manhasset, New York*
- Howarth, Robert Warren  
*Durham, New Hampshire*
- Hunt, Gordon Lester  
*East Sandwich, Massachusetts*
- Ives, H. Russell  
*Birmingham, Michigan*
- Johnson, Daniel Cameron  
*Rumford, Maine*
- Johnson, Walter Carroll  
*White Plains, New York*
- Johnston, Thomas Cole  
*Flossmoor, Illinois*
- Kahn, Michael Andrew  
*University City, Missouri*

# AMHERST COLLEGE

- |  |  |
|--|--|
| Kaminer, Stevenson Scott<br><i>New York, New York</i>        | Lipton, Richard Mark<br><i>Youngstown, Ohio</i>                      |
| Kennedy, Thomas Kevin John<br><i>Albuquerque, New Mexico</i> | Listro, Donald Anthony<br><i>Manchester, Connecticut</i>             |
| Kerst, R. Duncan<br><i>Katonah, New York</i>                 | Livingston, Peter<br><i>Seattle, Washington</i>                      |
| Kimberly, David Robinson<br><i>New Haven, Connecticut</i>    | London, Mark Scott<br><i>New York, New York</i>                      |
| Kirkpatrick, Brett Turnley<br><i>Nashville, Tennessee</i>    | Long, David Fullerton<br><i>Swarthmore, Pennsylvania</i>             |
| Kirschbaum, Thomas Avrom<br><i>Belvedere, California</i>     | Long, Joseph Vincent, III<br><i>Potomac, Maryland</i>                |
| Klancnik, Thomas Evans<br><i>Park Ridge, Illinois</i>        | Long, Michael Paul<br><i>Spring Valley, New York</i>                 |
| Klonoski, Richard Francis<br><i>Bristol, Connecticut</i>     | Longley, Jonathan Raymond Wayne<br><i>Springfield, Massachusetts</i> |
| Kramer, Harvey Merrill<br><i>Margate, New Jersey</i>         | Lopez, Floyd William<br><i>Albuquerque, New Mexico</i>               |
| Krushel, Kenneth Joseph<br><i>Roslyn Heights, New York</i>   | Lowe, Stephen Russell<br><i>Columbus, Georgia</i>                    |
| Lacey, John Fairbank<br><i>Mendham, New Jersey</i>           | MacArthur, Douglas Lee<br><i>Methuen, Massachusetts</i>              |
| Lacher, David<br><i>Syracuse, New York</i>                   | MacLachlan, David Campbell<br><i>Erie, Pennsylvania</i>              |
| Laff, Kenneth Martin<br><i>Englewood, Colorado</i>           | Maitland, James Campbell<br><i>Northfield, Minnesota</i>             |
| Lamont, William James<br><i>South Dennis, Massachusetts</i>  | Mallon, James Arthur<br><i>Alexandria, Virginia</i>                  |
| Landau, Robert Walter<br><i>APO, New York</i>                | Malone, William Eugene<br><i>Forest Park, Illinois</i>               |
| Landman, Jonathan Isaac<br><i>New York, New York</i>         | Mangini, Mark<br><i>Darien, Connecticut</i>                          |
| LaPointe, Paul Reggie<br><i>Milwaukee, Wisconsin</i>         | Manly, Marc Edward<br><i>Kokomo, Indiana</i>                         |
| Larson, Dana Linder<br><i>St. Louis Park, Minnesota</i>      | Manstein, Mark Eric<br><i>Rydal, Pennsylvania</i>                    |
| Leach, Thomas Raeside, Jr.<br><i>St. Albans, New York</i>    | Mastronarde, David Nicholas<br><i>Amherst, Massachusetts</i>         |
| Lee, Rodney Butts<br><i>Birmingham, Alabama</i>              | Maxwell, Alvin<br><i>Los Angeles, California</i>                     |
| Levy, Martin William<br><i>Teaneck, New Jersey</i>           | McArthur, Mark Anthony<br><i>Chicago, Illinois</i>                   |
| Liedtke, William Clarence, III<br><i>Houston, Texas</i>      | McDermott, Brian Emerson<br><i>Manhasset, New York</i>               |



## SENIORS

- McGuire, Michael Robert  
*Excelsior, Minnesota*
- McMahon, William Coulson, Jr.  
*Plandome, New York*
- Medley, Terry Lonzo  
*Nokesville, Virginia*
- Messenger, John Barss  
*Larchmont, New York*
- Metz, John Robert, Jr.  
*Syracuse, New York*
- Meyers, Stuart Louis  
*Pittsburgh, Pennsylvania*
- Michelson, Edward Barry  
*West Roxbury, Massachusetts*
- Miles, Louis Russell  
*Helena, Montana*
- Miota, Randolph Hideo  
*Honolulu, Hawaii*
- Mitamura, Hideto  
*Tokyo, Japan*
- Mondschein, Jeffrey Marc  
*Monsey, New York*
- Moran, Michael Joseph  
*Wallingford, Pennsylvania*
- Moriarty, David Michael  
*Oxford, Massachusetts*
- Moyer, Jonathan Frederick  
*Mechanicsburg, Pennsylvania*
- Murphy, John Cullen, Jr.  
*Cos Cob, Connecticut*
- Nadworny, Howard Alan  
*Burlington, Vermont*
- Nizin, Joel Scott  
*New York, New York*
- Notopoulos, Alexander Anastasios, Jr.  
*Hollidaysburg, Pennsylvania*
- Noyes, Duncan Lowell  
*Amesbury, Massachusetts*
- Nunn, Jeffrey Allen  
*Weston, Connecticut*
- O'Brien, Kevin John  
*Enfield, Connecticut*
- O'Kell, David Charles  
*Toronto, Ontario, Canada*
- O'Neill, Thomas Robert  
*Rochester, New York*
- Orlik, Randy Phillip  
*Oakland, California*
- Orozco, Edmundo Jose  
*Carlsbad, New Mexico*
- Osborn, Jeffrey Lynn  
*Sturgis, Michigan*
- Ostner, Steven Mark  
*Valley Stream, New York*
- Owens, Franklin, Jr.  
*Des Moines, Iowa*
- Owens, Thomas Lyon  
*Wayzata, Minnesota*
- Parker, Phillip Noyes  
*New Canaan, Connecticut*
- Perkins, John Earl, III  
*Baton Rouge, Louisiana*
- Pierce, Michael Jerome  
*Columbus, Georgia*
- Poliakoff, Steven Jon  
*Merchantville, New Jersey*
- Powell, William John, III  
*Industry, Pennsylvania*
- Quinn, Thomas Edward  
*West Hartford, Connecticut*
- Rafferty, Christopher George  
*Kensington, Maryland*
- Rafferty, Michael Paul  
*East Longmeadow, Massachusetts*
- Rasmussen, John Arnold Vincent  
*Ansonia, Connecticut*
- Rayment, David William  
*Hyannis, Massachusetts*
- Reichard, Theodore Carl, Jr.  
*Noank, Connecticut*
- Reichstein, Robert Paul  
*Chicago, Illinois*
- Reingold, Paul Dennis  
*Bow, New Hampshire*
- Richards, Douglas Gordon  
*Chatham, New Jersey*
- Ritter, Thomas Drummond  
*Hartford, Connecticut*

# AMHERST COLLEGE

- |  |   |
|--|---|
| Rock, Joseph William<br><i>Shaker Heights, Ohio</i>            | Senft, Stephen Lamont<br><i>Providence, Rhode Island</i>          |
| Rogawski, Michael Andrew<br><i>Los Angeles, California</i>     | Severni, William Justin<br><i>Avon, Connecticut</i>               |
| Rollins, Barrett Jon<br><i>Shaker Heights, Ohio</i>            | Shaw, Albert Park, III<br><i>Hartford, Connecticut</i>            |
| Rosenfield, Harvey Jay<br><i>Randolph, Massachusetts</i>       | Shaw, Joshua Hamblen<br><i>Tacoma, Washington</i>                 |
| Rubendall, Robert Lee, Jr.<br><i>Halifax, Pennsylvania</i>     | Shay, Arthur George<br><i>Amherst, Massachusetts</i>              |
| Rumpler, Thomas Stuart<br><i>Cincinnati, Ohio</i>              | Sheehan, Gerard John<br><i>Cambridge, Massachusetts</i>           |
| Ruotolo, Andrew Keogh, Jr.<br><i>New York, New York</i>        | Shipper, Edward Stanley, Jr.<br><i>Florence, Alabama</i>          |
| Ryans, Albert<br><i>Dorchester, Massachusetts</i>              | Shortt, Bruce Nevin<br><i>Federal Way, Washington</i>             |
| Salem, Robert Joseph<br><i>North Brookfield, Massachusetts</i> | Sims, Peter Jay<br><i>New Rochelle, New York</i>                  |
| Samaras, Andonis Constantinos<br><i>Athens, Greece</i>         | Skeelee, Charles Richardson<br><i>New Canaan, Connecticut</i>     |
| Sampson, George William<br><i>Norwich, Vermont</i>             | Skovgaard, Robert Alan<br><i>Stamford, Connecticut</i>            |
| Sampson, Ronald Stephen<br><i>Elizabeth, New Jersey</i>        | Smilow, David H.<br><i>South Orange, New Jersey</i>               |
| Sands, Robert Andrew<br><i>Albany, New York</i>                | Smith, Edward Lyman, Jr.<br><i>Amherst, Ohio</i>                  |
| Satran, David<br><i>Hicksville, New York</i>                   | Smith, Peter Whitall<br><i>Meadowbrook, Pennsylvania</i>          |
| Schissel, Donald John, Jr.<br><i>Des Moines, Iowa</i>          | Soong, Arthur Jee-Chung<br><i>New York, New York</i>              |
| Schlesinger, Peter Alan<br><i>Great Neck, New York</i>         | Soyster, Thomas William<br><i>Tenafly, New Jersey</i>             |
| Schnitker, John Peter<br><i>Toledo, Ohio</i>                   | Spaeth, Edmund Benjamin, III<br><i>Philadelphia, Pennsylvania</i> |
| Scott, Freddie Lee<br><i>Pine Bluff, Arkansas</i>              | Spiegel, Ladd<br><i>Silver Spring, Maryland</i>                   |
| Scroggins, Stephen Rayburn<br><i>Whitefish Bay, Wisconsin</i>  | Spivack, Eric D.<br><i>New York, New York</i>                     |
| Scurrah, Thomas Mark<br><i>Berne, New York</i>                 | Starkman, Michael Bruce<br><i>East Meadow, New York</i>           |
| Selinger, Joseph Jerome, Jr.<br><i>Wilton, Connecticut</i>     | Stein, Robert<br><i>Highland Park, Illinois</i>                   |
| Semlear, Robert Dwight<br><i>Sag Harbor, New York</i>          | Steinbrook, Robert Louis<br><i>Wynnewood, Pennsylvania</i>        |

## SENIORS

- |   |   |
|---|---|
| Sullivan, Neil<br><i>Bloomfield Hills, Michigan</i>                 | Velleman, James David<br><i>Port Washington, New York</i>         |
| Tanner, Richard Dean<br><i>Palo Alto, California</i>                | Villafane, Rafael Luis<br><i>Mexico City, Mexico</i>              |
| Tariot, Pierre Nelson<br><i>Weston, Massachusetts</i>               | Waddell, William Stewart, Jr.<br><i>Pittsburgh, Pennsylvania</i>  |
| Taylor, William Thomson<br><i>Wyncote, Pennsylvania</i>             | Wade, Jephtha Alan, III<br><i>Saratoga, California</i>            |
| Telfer, James Laureston<br><i>Bloomfield Hills, Michigan</i>        | Wahlers, John Ludwig<br><i>Sandusky, Ohio</i>                     |
| Thayer, Lucius Harrison, III<br><i>Chestnut Hill, Massachusetts</i> | Warren, James Cassel<br><i>New York, New York</i>                 |
| Theismann, John August<br><i>Mayville, New York</i>                 | Washington, Kenneth Lamont<br><i>New York, New York</i>           |
| Thibodeau, Arthur Ernest<br><i>Beverly, Massachusetts</i>           | Washington, Michael Edward<br><i>East Cleveland, Ohio</i>         |
| Thomas, Edward Arthur, Jr.<br><i>North Haven, Connecticut</i>       | Watts, William Wadsworth, III<br><i>Glencoe, Illinois</i>         |
| Thomas, Glenn Ellwood<br><i>Louisville, Kentucky</i>                | Weaver, William Frederick<br><i>Shelton, Connecticut</i>          |
| Thomson, Richard Thomas<br><i>Excelsior, Minnesota</i>              | Webb, Peter Gallett<br><i>Remsenburg, New York</i>                |
| Tidwell, Geoffrey Beatty<br><i>New York, New York</i>               | Webber, Peter Colbourne<br><i>Great Barrington, Massachusetts</i> |
| Tietjen, Richard Doremus, Jr.<br><i>Old Saybrook, Connecticut</i>   | Weber, Douglas Ely<br><i>Wheaton, Illinois</i>                    |
| Torch, Christopher Carl<br><i>Mayfield Heights, Ohio</i>            | Weller, Keith Richard<br><i>East Grand Rapids, Michigan</i>       |
| Trautmann, Charles Hone<br><i>Islesboro, Maine</i>                  | Whalen, Richard Mark<br><i>North Branford, Connecticut</i>        |
| Troll, Mark Andrew<br><i>Brooklyn, New York</i>                     | Whitehead, James Fraser<br><i>Syracuse, New York</i>              |
| Tshibangu, Raphael Tshisambu<br><i>Panda, Likasi, Zaire</i>         | Wieder, Robert Kelman<br><i>Wethersfield, Connecticut</i>         |
| Tuck, Andrew Philip<br><i>Scarsdale, New York</i>                   | Wilcoxon, Hardy Culver, Jr.<br><i>Nashville, Tennessee</i>        |
| Turner, James Earl<br><i>Calumet City, Illinois</i>                 | Williams, Norman Joseph<br><i>Chicago, Illinois</i>               |
| Tuunanen, Michael James<br><i>Fitchburg, Massachusetts</i>          | Williams, Roy Christopher<br><i>Stockbridge, Massachusetts</i>    |
| Vayer, Marshall Scott<br><i>Longmeadow, Massachusetts</i>           | Winslow, Christopher<br><i>Tiburon, California</i>                |
| Veeder, Thomas Gordon<br><i>Brielle, New Jersey</i>                 | Winslow, Dalton Smith<br><i>Caribou, Maine</i>                    |

# AMHERST COLLEGE

Winterling, Paul Joseph Michael  
*Baltimore, Maryland*

Wisniowski, Dennis Marc  
*Holyoke, Massachusetts*

Wissow, Lawrence Sagin  
*North Plainfield, New Jersey*

Wrage, Stephen Douglas  
*Erie, Pennsylvania*

Wynn, Ronald Jefferson  
*Knoxville, Tennessee*

Young, Ronald Henry  
*Fort Pierce, Florida*

Zink, Paul Alexander  
*Yarmouth Port, Massachusetts*

## Juniors Class of 1975

Abrahamson, Kip Loring  
*Minneapolis, Minnesota*

Abramson, Stephen Nathaniel Jr.  
*St. Albans, New York*

Akiyama, Takuo  
*Toyooka City, Hyogo, Japan*

Aldridge, David Franklin  
*Clinton, New York*

Amsterdam, James Todd  
*Bala Cynwyd, Pennsylvania*

Anderson, David Allen  
*Washington, D.C.*

Ayodele, Olaide Anthony  
*Newark, New Jersey*

Ayres, Thomas Jordan  
*Brant Beach, New Jersey*

Balder, Andrew H.  
*Miami Beach, Florida*

Balzotti, James Don  
*East Boston, Massachusetts*

Barnett, James Richardson  
*Dobbs Ferry, New York*

Bartels, Stephen James  
*Weston, Massachusetts*

Barton, James Clifton, Jr.  
*Birmingham, Alabama*

Bates, Jonathan Hartley  
*New Canaan, Connecticut*

Beatty, Roger Banks  
*Darien, Connecticut*

Benedict, Charles Chauncey, II  
*Williamstown, Massachusetts*

Benko, Ralph J.  
*Albany, New York*

Berk, Bradford Charles  
*Rochester, New York*

Berman, Charles Henry  
*Hamden, Connecticut*

Berman, Robert Glenn  
*Great Neck, New York*

Boatner, Samuel  
*Chicago, Illinois*

Bonsall, David Alan  
*Houston, Texas*

Boom, Willem Henry  
*Hengelo, Netherlands*

Brigham, Robert Hoover  
*West Chester, Pennsylvania*

Broadhead, William Almet, II  
*Jamestown, New York*

Brooks, Laurence Oakley  
*Bedford Hills, New York*

Brown, Steven Kevin  
*New Rochelle, New York*

Burns, Joseph Kevin Paul  
*Milford, Connecticut*

Caldwell, David Manchester III  
*Manchester, Connecticut*

Carr, Robert Vose  
*Manchester, Massachusetts*

Carver, Robert Howard  
*Marblehead, Massachusetts*

Cavagnero, Paul E.  
*Torrington, Connecticut*

Chiu, Denny  
*Seattle, Washington*

Chmiel, Michael Alan  
*Minneapolis, Minnesota*

Chu, James Sze-wah  
*Tokyo, Japan*



## JUNIORS

- Clark, Charles Howell, Jr.  
*Washington, D.C.*
- Clary, Richard Wayland  
*St. Paul, Minnesota*
- Clement, Charles Edward  
*Severna Park, Maryland*
- Clopeck, Jeffrey Arnold  
*Framingham, Massachusetts*
- Cockley, Matthew  
*Mansfield, Ohio*
- Coe, Jonathan Skinner  
*Providence, Rhode Island*
- Cohen, Matthew  
*Southampton, Pennsylvania*
- Coker, David Carlyle  
*Alexandria, Virginia*
- Collins, Tucker Otis  
*Ann Arbor, Michigan*
- Conger, Robert Frederick  
*Summit, New Jersey*
- Conway, Stephen Robert  
*West Hartford, Connecticut*
- Cottrel, Christopher Rockwell  
*West Chester, Pennsylvania*
- Coy, Roger Elliot  
*Mt. Vernon, New York*
- Crary, Horace Ingraham, Jr.  
*New Canaan, Connecticut*
- Crary, Miner Allen  
*Northport, New York*
- Cummings, Floyd, Jr.  
*Aiken, South Carolina*
- Davis, Jonathan Tyler  
*Stamford, Connecticut*
- DeBevoise, Malcolm Bush  
*Montclair, New Jersey*
- Dee, John Clark  
*St. Louis, Missouri*
- de la Rama, Jesse III  
*Bronx, New York*
- Dow, Gregory Keith  
*Seekonk, Massachusetts*
- Doyle, John Justin, Jr.  
*Rye Beach, New Hampshire*
- Driscoll, Peter Lawrence  
*Albuquerque, New Mexico*
- Dunbar, David Stuart  
*Exeter, New Hampshire*
- Dunn, Herman Lee  
*Washington, D.C.*
- Durgin, Reginald Lee  
*Yarmouth, Maine*
- Dykens, Jeffrey Scott  
*Concord, New Hampshire*
- Eastburn, Stephen Frazier  
*Doylestown, Pennsylvania*
- Edmonston, John McCombie  
*Pasadena, California*
- Ellis, Frank Plunkett, IV  
*Mobile, Alabama*
- Elson, Mark Andrew  
*Brookfield, Wisconsin*
- Epstein, Joshua Morris  
*Amherst, Massachusetts*
- Ferguson, David William  
*Orchard Park, New York*
- Filler, Jorge Simon  
*New York, New York*
- Fishman, Henry James  
*Cheshire, Connecticut*
- Fitzgerald, Michael Thomas  
*Needham, Massachusetts*
- Foldes, Peter John  
*Lafayette Hill, Pennsylvania*
- Fotiades, George Louis  
*Naperville, Illinois*
- Fox, Peter Anderson  
*Darien, Connecticut*
- French, John David  
*Rochester, New York*
- Garcia, Gilberto Leal  
*Corpus Christi, Texas*
- Gargano, Peter Joseph  
*Wakefield, Massachusetts*
- Garrett, Mitchel Owen  
*Roslyn, New York*
- Gartner, Richard Charles Sebastian  
*Lancaster, Pennsylvania*
- Gendelman, Phillip Michael  
*Amherst, Massachusetts*
- Gerfen, Charles Richard  
*St. Louis, Missouri*

# AMHERST COLLEGE

- Gewehr, Bradley Charles  
*Windsor, Connecticut*
- Gibney, Dale Porter  
*Medford, New Jersey*
- Gibralter, Robert Steven  
*Westbury, New York*
- Gilbert, David Arthur  
*Bel Air, Maryland*
- Gintoff, Gregory Brown  
*Fairfield, Connecticut*
- Gold, Laurence Edward  
*White Plains, New York*
- Graham, Michael John  
*Winnetka, Illinois*
- Granahan, Richard Braye  
*Waterford, Connecticut*
- Greggs, Gilbert Allen, Jr.  
*Dundalk, Maryland*
- Griffin, Stephen Robert  
*Waterbury, Connecticut*
- Griggs, Benjamin Glyde III  
*St. Paul, Minnesota*
- Hahn, Stephen Walter  
*Georgetown, Massachusetts*
- Hall, Mark Lloyd  
*Potomac, Maryland*
- Hammer, Jonathan Edward  
*New York, New York*
- Hanley, Christopher Sanger  
*Upper Montclair, New Jersey*
- Harden, Glenn Richard  
*Washington, D.C.*
- Hardin, Eugene Ramsey, III  
*Belchertown, Massachusetts*
- Harmon, Mark Edward Patrick  
*Cochituate, Massachusetts*
- Harper, Gregory William  
*Paris, France*
- Harriman, John Howland, Jr.  
*Los Angeles, California*
- Harrington, Michael Louis  
*Centerville, Massachusetts*
- Hart, Avery Scott  
*Wilmette, Illinois*
- Hartman, Keith Warren  
*Penfield, New York*
- Hawkins, John Bruce  
*Charlottesville, Virginia*
- Heath, Robert Galbraith, Jr.  
*New Orleans, Louisiana*
- Hecht, Philip Herbert  
*Detroit, Michigan*
- Hendrix, Derrell Jerome  
*Columbus, Ohio*
- Hermann, Richard James  
*Stamford, Connecticut*
- Heske, Edward Joseph Peter  
*Sturbridge, Massachusetts*
- Hixon, David Dillon  
*Andover, Massachusetts*
- Holmes, Carl Bernard, Jr.  
*Bronx, New York*
- Holmes, Charles Stanford  
*Little Compton, Rhode Island*
- Holt, Fred Lee  
*Springfield, Massachusetts*
- Hooper, Thomas Harrison, III  
*Winston-Salem, North Carolina*
- Horner, Richard Linscott  
*Columbia, Missouri*
- Horstkotte, Don Arner  
*Schenectady, New York*
- Hudak, Mark Lawrence Peter  
*West Hartford, Connecticut*
- Huey, David Robert  
*Geneseo, New York*
- Hughes, Phillip Alan  
*Los Angeles, California*
- Hunter, Peter Clark  
*Gibsonia, Pennsylvania*
- Hunter, Thomas Alexander, IV  
*Westport, Connecticut*
- Inglis, Alan  
*Shaker Heights, Ohio*
- Isabell, Lonnie  
*Lackawanna, New York*
- Jackson, Prescott Burns  
*Danvers, Massachusetts*
- Jaskulski, Derek Cichon  
*Pelham, New York*
- Jeanloz, Raymond Francois  
*Newton, Massachusetts*
- Jelavich, Peter Charles  
*Bloomington, Indiana*

## JUNIORS

- |   |  |
|---|--|
| Johnson, Paul Converse<br><i>Wilbraham, Massachusetts</i>           | Lund, Mark Kennedy<br><i>Sao Paulo, Brazil</i>                   |
| Jonas, Jeffrey Martin<br><i>Valley Stream, New York</i>             | Lynch, Desmond Sherman Shaw<br><i>West Hempstead, New York</i>   |
| Jordan, Mark Conrad<br><i>Hilton Head Island, South Carolina</i>    | MacDonell, Alan Russell<br><i>Pittsburgh, Pennsylvania</i>       |
| Kayler, Kyle Lee<br><i>Evergreen, Colorado</i>                      | MacIntyre, Richard Joseph<br><i>Greenville, Delaware</i>         |
| Kelly, Joseph Monahan, II<br><i>West Deerfield, Massachusetts</i>   | Macioce, John Peter<br><i>Stamford, Connecticut</i>              |
| Kennedy, James Matson<br><i>Watertown, New York</i>                 | MacLeod, Michael Brian<br><i>Amherst, Massachusetts</i>          |
| Kirkpatrick, John David<br><i>Byram, Connecticut</i>                | Madden, John Francis<br><i>New Britain, Connecticut</i>          |
| Kirkwood, Robert Charles<br><i>Thornwood, New York</i>              | Magnell, Thomas Alfred<br><i>Scarsdale, New York</i>             |
| Kleiner, Stuart<br><i>Cleveland Heights, Ohio</i>                   | Magoon, William John<br><i>Rochester, Michigan</i>               |
| Kolisch, Edward Pierre<br><i>Portland, Oregon</i>                   | Major, Richard Robinson, II<br><i>Baltimore, Maryland</i>        |
| Konolige, Kurt George Dominic<br><i>Flushing, New York</i>          | Manker, Charles Forrest<br><i>Chicago, Illinois</i>              |
| Kos, Richard Joseph Francis<br><i>Chicopee Falls, Massachusetts</i> | Mansuy, Francis Patrick, II<br><i>Villanova, Pennsylvania</i>    |
| Kraft, Thomas Kevin<br><i>Bethlehem, Pennsylvania</i>               | Manuelides, Stephen Eugene<br><i>Athens, Greece</i>              |
| Kretchmer, John Ted<br><i>Winnetka, Illinois</i>                    | Martin, Hunter Lenon, III<br><i>Houston, Texas</i>               |
| Laurion, Joseph Arlly<br><i>Billerica, Massachusetts</i>            | Martin, Wallace Ford<br><i>Lawrenceville, Georgia</i>            |
| Leggett, James Everett, Jr.<br><i>Lexington, Kentucky</i>           | Mayer, Lester Reinhard, III<br><i>Philadelphia, Pennsylvania</i> |
| Lerner, Gary Nevil<br><i>Rego Park, New York</i>                    | McCartney, Robert James<br><i>Westmoreland Hills, Maryland</i>   |
| Leslie, Kenneth Donald<br><i>Peekskill, New York</i>                | McCatty, Edward Sommerville<br><i>Brooklyn, New York</i>         |
| Leslie, Richard Raymond<br><i>Ashburnham, Massachusetts</i>         | McDowell, William Hunter, II<br><i>Paoli, Pennsylvania</i>       |
| Levine, Matthew Ivan<br><i>Mt. Kisco, New York</i>                  | Metcalf, Gilbert Elliott<br><i>Watertown, New York</i>           |
| Lindberg, Brent Robert<br><i>Chesterfield, Missouri</i>             | Miller, Joseph Michael<br><i>Brooklyn, New York</i>              |
| Lister, Craig Joseph<br><i>Lake Forest, Illinois</i>                | Miller, Lawrence Jay<br><i>Valley Stream, New York</i>           |
| Lopez, Raul Antonio<br><i>Kensington, Connecticut</i>               | Millikin, Michael David<br><i>Peoria, Illinois</i>               |
| Lu, Thomas Samuel<br><i>Brookline, Massachusetts</i>                |  |

## AMHERST COLLEGE

- |   |  |
|---|--|
| Minicucci, Robert Arnold<br><i>Waterbury, Connecticut</i>         | Porter, Frederick Stanton<br><i>Chagrin Falls, Ohio</i>          |
| Monheim, Charles William<br><i>Pittsburgh, Pennsylvania</i>       | Poukish, Gary Philip<br><i>Saratoga Springs, New York</i>        |
| Mooty, David Nelson<br><i>Edina, Minnesota</i>                    | Powers, Robert David<br><i>Westport, Connecticut</i>             |
| Morrissey, Christopher Charles<br><i>Maynard, Massachusetts</i>   | Progen, Donald Henry<br><i>Amherst, Massachusetts</i>            |
| Mulligan, Edward Bowman, IV<br><i>State College, Pennsylvania</i> | Randall, Donn Alexander<br><i>Edgartown, Massachusetts</i>       |
| Murphy, Daniel Vincent<br><i>University Heights, Ohio</i>         | Rawson, William Knox<br><i>South Bend, Indiana</i>               |
| Nagy, David Sandor<br><i>Washington, D.C.</i>                     | Ray, James Erwin<br><i>Framingham, Massachusetts</i>             |
| Neel, Edgar Loewe<br><i>Stone Mountain, Georgia</i>               | Reeves, James Frederick<br><i>Guilderland, New York</i>          |
| Newman, Lee Scott<br><i>Westfield, New Jersey</i>                 | Regier, Jon Denniston<br><i>Jamesville, New York</i>             |
| Newton, James White<br><i>Sudbury, Massachusetts</i>              | Reid, Michael William<br><i>Madison, New Jersey</i>              |
| Nicholson, Craig Claverie<br><i>Clayton, Missouri</i>             | Reif, Henry Jay<br><i>Brooklyn, New York</i>                     |
| Noble, Stafford Carter<br><i>Columbus, Ohio</i>                   | Reilly, John Richard, Jr.<br><i>Bethesda, Maryland</i>           |
| Norricks, Bradley R.<br><i>Clark's Summit, Pennsylvania</i>       | Reindel, Frederick William, III<br><i>Wayzata, Minnesota</i>     |
| O'Donnell, John Eliot<br><i>Norwood, Massachusetts</i>            | Reinus, William Ralph<br><i>New York, New York</i>               |
| Ojserkis, Bennett Edward<br><i>Margate, New Jersey</i>            | Remelmeyer, Eric Scott<br><i>Redondo Beach, California</i>       |
| Orlik, Daniel Andrew<br><i>Ludlow, Massachusetts</i>              | Reynolds, Stephen Paul<br><i>Fairview Park, Ohio</i>             |
| Osman, Richard Michael<br><i>Scarsdale, New York</i>              | Richards, Kenneth James<br><i>South Attleboro, Massachusetts</i> |
| Owens, Edward Octy<br><i>Ann Arbor, Michigan</i>                  | Richardson, Victor Waldo<br><i>Tulsa, Oklahoma</i>               |
| Oxholm, Carl, III<br><i>Saint Davids, Pennsylvania</i>            | Riklin, Scott Frederick<br><i>Rye, New York</i>                  |
| Parent, Neil Patrick<br><i>Shrewsbury, Massachusetts</i>          | Roca, Juan Xavier<br><i>Glenview, Illinois</i>                   |
| Patsner, Bruce<br><i>West Nyack, New York</i>                     | Rodriguez, Robin Cordell<br><i>Ossining, New York</i>            |
| Peck, John Harold, Jr.<br><i>Hamden, Connecticut</i>              | Roelofs, Kemp Owyne<br><i>Gambier, Ohio</i>                      |
| Petegorsky, Stephen<br><i>Scarsdale, New York</i>                 | Roin, Howard James<br><i>Winnetka, Illinois</i>                  |
| Polevoi, Lee Nathan<br><i>South Euclid, Ohio</i>                  | Roose, Thomas Dewey<br><i>Terrace Park, Ohio</i>                 |



## JUNIORS

- Rose, Howard Kagan  
*East Hartford, Connecticut*
- Rouse, Stephen Michael  
*Trenton, New Jersey*
- Russell, Norman Louis  
*Greenfield, Massachusetts*
- Ryan, Richard Robert  
*Derby, Connecticut*
- Sachar, Jerome David  
*Clayton, Missouri*
- Sambor, Michael James  
*Wilbraham, Massachusetts*
- Santos, Thomas John, Jr.  
*Melrose, Massachusetts*
- Scheff, Jonathan Herbert  
*Newton Centre, Massachusetts*
- Schillo, John Morey  
*Towson, Maryland*
- Schwab, Paul Edward, III  
*Bethesda, Maryland*
- Scott, Hector Lloyd  
*Hartford, Connecticut*
- Shaer, Richard Joseph  
*Amherst, Massachusetts*
- Shelley, Arthur Robert, Jr.  
*Amherst, Massachusetts*
- Sheridan, Thomas Patrick  
*East Hartford, Connecticut*
- Sidell, David Lincoln Balise  
*West Hartford, Connecticut*
- Silberstein, Peter Todd  
*Mamaroneck, New York*
- Silbert, Edward Fox  
*Marblehead, Massachusetts*
- Silsbee, Douglas Wheeler  
*Ithaca, New York*
- Skowron, Robert Andrew  
*Pittsfield, Massachusetts*
- Slaine, Mason Paul  
*Malden, Massachusetts*
- Smalls, Charles Augustus, Jr.  
*Brooklyn, New York*
- Smith, Jeffrey Thornton  
*Plandome, New York*
- Smith, Lincoln  
*Cohasset, Massachusetts*
- Sommer, Philippe Lazare Felix  
*New York, New York*
- Sonnenschein, Eric Jay  
*Arlington, Virginia*
- Soojian, Michael Matthew  
*Upper Saddle River, New Jersey*
- Souza, William David  
*Cotuit, Massachusetts*
- Spaulding, Barry Cole  
*Maumee, Ohio*
- Sperling, Frederick Jay  
*Philadelphia, Pennsylvania*
- Spiegel, John  
*Vienna, Virginia*
- Stadler, Marc Edward  
*Urbana, Ohio*
- Stahl, Kenneth David  
*Ossining, New York*
- Stoller, James Kevin  
*Flushing, New York*
- Stone, Michael Cutler  
*Amherst, Massachusetts*
- Stoughton, Roland Baker  
*Rancho Santa Fe, California*
- Stover, Gerald Wayne  
*Springfield, Massachusetts*
- Strauss, Edward Bruce  
*Lawrence, New York*
- Strogatz, David Stanton  
*Torrington, Connecticut*
- Sullivan, John Louis, III  
*Bethesda, Maryland*
- Sullivan, William Thrall  
*Windsor, Connecticut*
- Swett, Albert Louis  
*New Canaan, Connecticut*
- Taglieri, Stephen Nazzaro  
*Amherst, Massachusetts*
- Tahsler, Bruce Donald  
*Ambler, Pennsylvania*
- Teare, John Andrew  
*Lynnfield, Massachusetts*
- Teichgraeber, Michael Gerard  
*Houston, Texas*
- Thaler, Thomas Warren  
*Chestnut Hill, Massachusetts*
- Theile, Richard Michael  
*Essex Fells, New Jersey*
- Thibeault, George Alan  
*Saratoga, California*

## AMHERST COLLEGE

- |  |  |
|--|--|
| <p>Thompson, Robert Bruce, III<br/><i>Malvern, Pennsylvania</i></p> <p>Tibbetts, Robert Edwin<br/><i>Bondsville, Massachusetts</i></p> <p>Tobias, Norman Cecil<br/><i>Westmount, Quebec, Canada</i></p> <p>Tobochnik, Jan<br/><i>Philadelphia, Pennsylvania</i></p> <p>Tornow, David Staab<br/><i>Northampton, Massachusetts</i></p> <p>Tredici, Tomas<br/><i>San Antonio, Texas</i></p> <p>Trinkaus, Peter Mark<br/><i>Ann Arbor, Michigan</i></p> <p>Tsiaras, Philip George<br/><i>Nashua, New Hampshire</i></p> <p>Tull, David Allan<br/><i>Madison, Connecticut</i></p> <p>von Salis, Andrew Mead<br/><i>Morristown, New Jersey</i></p> <p>Walker, Richard George<br/><i>Philadelphia, Pennsylvania</i></p> <p>Wang, Christopher Mark<br/><i>Loudonville, New York</i></p> <p>Warren, Peter Gray<br/><i>Northampton, Massachusetts</i></p> <p>Wattley, Thomas Jefferson, Jr.<br/><i>Dallas, Texas</i></p> <p>Waybright, Douglas Grover<br/><i>Saugus, Massachusetts</i></p> <p>Webster, Christopher White<br/><i>Bethesda, Maryland</i></p> <p>Weeks, Gary Lawrence<br/><i>Wilmette, Illinois</i></p> <p>Werner, David William<br/><i>Pittsburgh, Pennsylvania</i></p> <p>Wicks, John Oliver, III<br/><i>Pittsburgh, Pennsylvania</i></p> <p>Wiley, David Welles<br/><i>Seattle, Washington</i></p> <p>Williams, David Symmes<br/><i>Rocky River, Ohio</i></p> <p>Williams, Ernest Calvin, Jr.<br/><i>New Haven, Connecticut</i></p> <p>Williams, John Irving, Jr.<br/><i>Westbury, New York</i></p> <p>Williams, Richard Eugene, Jr.<br/><i>Tuscaloosa, Alabama</i></p> | <p>Williamson, John Ross<br/><i>Baldwin, New York</i></p> <p>Wise, Peter Yeames<br/><i>West Hartford, Connecticut</i></p> <p>Wood, Bruce Andrew<br/><i>Houston, Texas</i></p> <p>Woodbrey, Mark Leonard<br/><i>Gorham, Maine</i></p> <p>Woolverton, Frederick Curtis<br/><i>East Norwich, New York</i></p> <p>Wourms, Richard Leo<br/><i>Houston, Texas</i></p> <p>Yancey, Robert Willingham, Jr.<br/><i>Monte Brais Fajardo, Puerto Rico</i></p> <p>Zheutlin, Peter Alan<br/><i>Paramus, New Jersey</i></p> |
|--|--|
- 
- Sophomores    Class of 1976**
- |   |  |
|---|--|
| <p>Abrams, Lloyd Raymond<br/><i>Clayton, Missouri</i></p> <p>Abrams, Steven Robert<br/><i>Philadelphia, Pennsylvania</i></p> <p>Adams, Auther Elmore, Jr.<br/><i>East St. Louis, Illinois</i></p> <p>Adams, Michael Harold<br/><i>New Hartford, Connecticut</i></p> <p>Adams, Michael MacDonell<br/><i>Jacksonville, Florida</i></p> <p>Allison, Barnaby Adam<br/><i>Los Angeles, California</i></p> <p>Amely, Roberto<br/><i>New York, New York</i></p> <p>Armistead, Spencer Lee<br/><i>Honolulu, Hawaii</i></p> <p>Arnold, Frederick<br/><i>White Plains, New York</i></p> <p>Aronson, Thomas Alan<br/><i>St. Louis, Missouri</i></p> <p>Bailey, Philip Thatcher<br/><i>Seattle, Washington</i></p> <p>Baines, Kevin Hays<br/><i>Woodbridge, Connecticut</i></p> <p>Ball, Michael John<br/><i>Newtonville, Massachusetts</i></p> <p>Ball, Roger Woodwell<br/><i>St. Louis, Missouri</i></p> <p>Barksdale, Henry Caulfield, Jr.<br/><i>Providence, Rhode Island</i></p> |  |
|---|--|

## SOPHOMORES

Baronas, Mark William  
*Enfield, Connecticut*

Bauer, Bernard David  
*Brooklyn, New York*

Baugh, Lawrence Edward  
*Detroit, Michigan*

Belisle, James Howard  
*Lisbon, Connecticut*

Bergethon, Bruce Lind  
*Easton, Pennsylvania*

Bergman, Charles Kimball  
*Pasadena, California*

Bingaman, Brian Malcolm  
*Verona, New York*

Black, Lehman Ernest, III  
*Youngstown, Ohio*

Blair, Raymond Laurence  
*Los Angeles, California*

Blenko, David Balman  
*Haverford, Pennsylvania*

Bogan, Christopher Eric  
*Short Hills, New Jersey*

Boling, Peter Avery  
*Brookline, Massachusetts*

Bollens, Bruce Paul  
*Baltimore, Maryland*

Bowers, Nigel Lindsay  
*Millbrook, New York*

Brodigan, Bruce Fraser  
*West Hartford, Connecticut*

Bronner, Jay Abraham  
*New York, New York*

Bronsteen, Peter  
*Stamford, Connecticut*

Brown, James Cutler  
*North Branford, Connecticut*

Brown, Mark Stephen  
*DeWitt, New York*

Buchsbaum, Craig Martin  
*Highland Park, Illinois*

Budnik, Gregory Glenn  
*Bethpage, New York*

Burress, Michael Kevin  
*Arlington, Virginia*

Burt, Joseph Duffy  
*Ft. Lauderdale, Florida*

Bushnell, David Colton  
*West Hartford, Connecticut*

Butler, Michael Keith  
*Baton Rouge, Louisiana*

Canfield, Peter Crane  
*Palos Verdes Peninsula, California*

Cartin, Javier Francisco  
*San Jose, Costa Rica*

Chalifoux, Alan Trevvett  
*Glen Gardner, New Jersey*

Charnoff, Jan Stuart  
*Ellenville, New York*

Christ, Bryant William  
*West Hartford, Connecticut*

Christen, James Dandee  
*Ardmore, Pennsylvania*

Clark, Stephen Lewis  
*Bloomfield, Connecticut*

Clark, Walter, III  
*Williamstown, Massachusetts*

Clarke, Christopher Sanborn  
*Keene, New Hampshire*

Cobau, Charles Duffy, Jr.  
*Toledo, Ohio*

Coffin, Jonathan Potter  
*Wakefield, Rhode Island*

Cohen, Leslie George  
*St. Albans, New York*

Cohn, Frederic Reiner  
*Bloomfield, Connecticut*

Cone, Thomas Edward  
*Greensboro, North Carolina*

Coutifaris, Christos Orpheus  
*Athens, Greece*

Craig, Stephen Joseph  
*Phoenix, Arizona*

Crossland, Robert John  
*Montvale, New Jersey*

Culton, Leroy  
*Charleston, South Carolina*

Curley, Thomas Francis, Jr.  
*New York, New York*

Cushman, Robert Allerton  
*Longmeadow, Massachusetts*

Davidow, Charles Edward  
*Cincinnati, Ohio*

Davies, Peter Bowen  
*Dallas, Pennsylvania*

Davis, Randall Hopkins  
*Coram, New York*

# AMHERST COLLEGE

- de Castro, Jeffrey Peter  
*Norwalk, Connecticut*
- Dein, Mohammed Olie  
*Long Beach, California*
- Deming, Stephen Robert H.  
*Towson, Maryland*
- Devin, William Henry, III  
*Brockton, Massachusetts*
- Dewdney, Brian Murray  
*Durham, New Hampshire*
- Dewitz, Andreas Herbert  
*Florence, Massachusetts*
- Dillon, Adrian Tremayne  
*Hudson, Ohio*
- Diskint, Peter Gary  
*Fresh Meadows, New York*
- Douglas, David Mateer  
*Newton, Massachusetts*
- Doyle, David Barton  
*Weston, Connecticut*
- Driscoll, David Gerald  
*Somerset, Massachusetts*
- Dudley, Eliot Wands  
*Cato, New York*
- Duffy, Michael Andrew  
*Hamden, Connecticut*
- Dunn, William Michael  
*Holyoke, Massachusetts*
- Dwyer, William Edward, Jr.  
*Hadley, Massachusetts*
- Edelberg, Lee  
*Northampton, Massachusetts*
- Edmondson, Everton Anthony  
*Brooklyn, New York*
- Ehrlich, Steven Mark  
*St. Louis, Missouri*
- Ellis, Mark Evan  
*Bernardston, Massachusetts*
- Ewen, Malcolm Dawes  
*Winnetka, Illinois*
- Fagen, Lester Jan  
*Woodmere, New York*
- Figuroa, Carlos Godofredo  
*Jamaica, New York*
- Fiore, Michael Thomas Stephen  
*Elizabeth, New Jersey*
- Fitzgerald, Charles Sagar  
*Shaker Heights, Ohio*
- Fleury, William James  
*Toronto, Ontario, Canada*
- Floyd, Edward Campbell  
*Bristol, Connecticut*
- Foster, John Allan  
*Belmont, Massachusetts*
- Freedman, Jack  
*Silver Spring, Maryland*
- Fribourg, Paul Jules  
*New York, New York*
- Friedman, Andrew Joseph  
*New York, New York*
- Fromson, Paul Michael  
*Monsey, New York*
- Fucci, John Conville  
*West Hartford, Connecticut*
- Fuerstman, Louis Peter  
*New Milford, New Jersey*
- Fulmer, James Jay  
*Northboro, Massachusetts*
- Gamble, James Carr, III  
*Frontenac, Missouri*
- Garmezy, Lawrence  
*Edina, Minnesota*
- Gately, Edward Joseph, III  
*Haverford, Pennsylvania*
- Gibson, Scott Christopher Joseph  
*Brimfield, Massachusetts*
- Gibson, Steven Brian  
*Baltimore, Maryland*
- Gidwani, Bahar Narain  
*Columbus, Ohio*
- Giorgi, Gaspar Gary  
*Elizabeth, New Jersey*
- Gipe, Robert Steven  
*Houck, Arizona*
- Glass, Geoffrey Theodore  
*Falls Church, Virginia*
- Gonzales, Thomas Lee  
*Camp Springs, Maryland*
- Goodman, Jordan Elliot  
*Cranston, Rhode Island*
- Gordon, Michael Alan  
*Lexington, Massachusetts*
- Graven, Mark Henry  
*Minneapolis, Minnesota*
- Graves, Bradford James  
*Sunderland, Massachusetts*



## SOPHOMORES

- Green, Robert Castleman, III  
*Winchester, Virginia*
- Greene, Alan Davis  
*Winchester, Massachusetts*
- Greene, Mark Nissen  
*Westfield, New Jersey*
- Greenman, John Bingham  
*Okemos, Michigan*
- Griffin, Frank Wilson  
*Wayland, Massachusetts*
- Groff, Marc Linden  
*Glenview, Illinois*
- Gurka, Michael John Anthony  
*Springfield, Massachusetts*
- Gusack, Mark David  
*Chevy Chase, Maryland*
- Gutierrez, Eduardo  
*Coral Gables, Florida*
- Halle, Austin Arthur, III  
*Memphis, Tennessee*
- Hansen, David Elwood  
*Allendale, New Jersey*
- Harter, Clayton Everett  
*Winnetka, Illinois*
- Healy, Christopher Read  
*Branford, Connecticut*
- Henschel, Adam Steven  
*Princeton, New Jersey*
- Hensler, Arthur Charles, III  
*Chatham, New Jersey*
- Hines, James Henry, Jr.  
*Baltimore, Maryland*
- Hoffman, David Lloyd  
*Scarsdale, New York*
- Holdcroft, James Patrick, Jr.  
*Pittsburgh, Pennsylvania*
- Holmes, David Lawrence  
*South Hill, Virginia*
- Hov, Donald Anton  
*Weston, Connecticut*
- Howard, Robert Augustus, Jr.  
*Detroit, Michigan*
- Htoo, Mark Sterling Han  
*New York, New York*
- Huggins, John Mitchell  
*Stanford, California*
- Hurwitz, Ralph David  
*Gloversville, New York*
- Hyams, Andrew Leon  
*Teaneck, New Jersey*
- Iacobuzio, Theodore John Joseph  
*Port Chester, New York*
- Jablin, Peter Mark  
*Blue Bell, Pennsylvania*
- Jackson, Antonio Pierre  
*Chester, Pennsylvania*
- Jacobs, James Steven Vincent  
*River Forest, Illinois*
- Jacobs, Kris Scott Hamilton  
*Belchertown, Massachusetts*
- Jenkins, Everett Wilbur, Jr.  
*Victorville, California*
- Jenkins, Jack Wade  
*Valdosta, Georgia*
- Juliand, Charles Race  
*North Dartmouth, Massachusetts*
- Kaplan, Carl Scott  
*Great Neck, New York*
- Kassler, Kenneth Barry  
*Newton Centre, Massachusetts*
- Katz, Henry Joseph  
*Brooklyn, New York*
- Kaufman, James David  
*Steubenville, Ohio*
- Kayatta, William Joseph, Jr.  
*South Portland, Maine*
- Kaye, Jeffrey Alan  
*Long Branch, New Jersey*
- Kee, David Bryan, Jr.  
*Atlanta, Georgia*
- Keevil, Joseph Christopher  
*Lincoln, Massachusetts*
- Kehne, John Herr, Jr.  
*Hagerstown, Maryland*
- Keroack, Mark Alvin  
*Springfield, Massachusetts*
- Kingman, David Eastman  
*Wayzata, Minnesota*
- Kingman, James Brantley  
*Wayzata, Minnesota*
- Klein, Kevin Mart  
*Point Marion, Pennsylvania*
- Klein, William Edward  
*Clayton, Missouri*
- Knox, Northrup Rand, Jr.  
*East Aurora, New York*

# AMHERST COLLEGE

- Koo, Edward Hao-Mang  
*Kowloon, Hong Kong*
- Kordalewski, John Andrew  
*Fayetteville, New York*
- Kramer, Sanford Neal  
*Baltimore, Maryland*
- Kranzler, Peter Henry  
*Rocky Hill, New Jersey*
- Krieger, David Jonathan  
*Chicago, Illinois*
- Kuehn, Carl Anton  
*Springfield, Illinois*
- Lansdale, Jeffrey Dexter  
*Thessaloniki, Greece*
- Lehner, Carl Philip  
*Hingham, Massachusetts*
- Leland, Richard Alanson, Jr.  
*Los Altos, California*
- Lempert, Norbert  
*Forest Hills, New York*
- Leonardi, Craig Louis  
*Agawam, Massachusetts*
- Levin, Harry Michael  
*Teaneck, New Jersey*
- Levins, Robert William  
*Dorchester, Massachusetts*
- Levy, David Marc  
*Shaker Heights, Ohio*
- Levy, John Edward  
*Los Angeles, California*
- Liss, Adam Daniel  
*Bellmore, New York*
- Ljungkull, Christopher Rolf  
*St. Paul, Minnesota*
- LoPresti, Laurence Ralph  
*Smithtown, New York*
- Lovekin, James Warren  
*Fairfield, Connecticut*
- Lundquist, Daniel Merritt  
*Haverford, Pennsylvania*
- Lyons, Mark Hugh Rock  
*Huntington, New York*
- MacGovern, George, Jr.  
*Bronxville, New York*
- MacNeil, Roderick Wilson  
*Charlottesville, Virginia*
- Macris, Aristides  
*Athens, Greece*
- Magyar, Mark Joseph  
*Trenton, New Jersey*
- Mann, Charles Cameron  
*Bellevue, Washington*
- Markowitz, Charles Bernard  
*North Woodmere, New York*
- Marks, Andrew Robert  
*New York, New York*
- Maroney, Walter Leo, Jr.  
*Andover, Massachusetts*
- Martin, Howard Clyde  
*Milwaukee, Wisconsin*
- Martin, Zack Z.  
*Lawrenceville, Georgia*
- Mason, Kent Allen  
*Bethesda, Maryland*
- McAndrew, Alexander  
*Kentfield, California*
- McEvoy, Michael Ray  
*Perrysburg, Ohio*
- McFeely, William Drake  
*South Hadley, Massachusetts*
- McNitt, Peter J. B.  
*Winnetka, Illinois*
- Mechaber, Douglas Seth  
*Fall River, Massachusetts*
- Meister, Marc Joseph  
*Swanton, Ohio*
- Merlin, William Loring, Jr.  
*Minneapolis, Minnesota*
- Meyers, John Frederick  
*Yarmouthport, Massachusetts*
- Michel, Robert Charles  
*Westerville, Ohio*
- Milch, David Mark  
*Lawrence, New York*
- Millard, Peter Simon  
*South Windham, Maine*
- Miller, Geoffrey Morison  
*Swarthmore, Pennsylvania*
- Moore, Vincent Carl  
*Cleveland, Ohio*
- Moorefield, James Stewart  
*West Boylston, Massachusetts*
- Mosley, Michael Steven  
*Ardmore, Pennsylvania*

## SOPHOMORES

Mullins, Michael Chase  
*Durham, New Hampshire*

Mundt, G. Henry, III  
*Western Springs, Illinois*

Murphy, Arthur Thomas, Jr.  
*Milton, Massachusetts*

Nabrit, Ronald Lee  
*Atlanta, Georgia*

Nardi, William Joseph  
*West Hartford, Connecticut*

Nash, Lawrence David  
*Arlington, Virginia*

Needle, Michael Richard  
*Rydal, Pennsylvania*

Nelson, Mark Douglas  
*Short Hills, New Jersey*

Ngenge, Anthony Wawa  
*Cameroon, West Africa*

Nicholas, Robert Arthur  
*Stamford, Connecticut*

Nichols, John Leonard, Jr.  
*Rochester, New York*

Nichols, William Hart, III  
*Sudbury, Massachusetts*

Nihan, Leonard, Jr.  
*Lynnfield, Massachusetts*

O'Brien, Robert John  
*West Hartford, Connecticut*

O'Neil, Matthew John, Jr.  
*Charlestown, Massachusetts*

Orent, James Michael  
*West Newton, Massachusetts*

Orlansky, Daniel Nathan  
*New York, New York*

Pace, Robert Emanuel  
*Hartford, Connecticut*

Palacios, Alejandro Jose  
*Englewood, New Jersey*

Perniciaro, Stephen  
*Chester, Vermont*

Peterson, Keith Haviland  
*Phoenix, Arizona*

Pullara, Joseph  
*Staten Island, New York*

Purificacion, Leslie John  
*New York, New York*

Quinn, Daniel Thomas  
*Baltimore, Maryland*

Rapisarda, Paul Howard  
*Evanston, Illinois*

Rassieur, Benjamin Franklin, III  
*St. Louis, Missouri*

Rayner, Loris Matthew  
*Chicago, Illinois*

Reich, Scott Michael  
*Philadelphia, Pennsylvania*

Reilly, Craig Crandall  
*Greenwich, Connecticut*

Reliford, Arthur Jerome  
*Chicago, Illinois*

Robert, Frank Ainsworth  
*Westfield, New Jersey*

Rogers, Robert Podmore  
*Salinas, California*

Roseff, Richard  
*Parisppany, New Jersey*

Rosenberg, Mark Sherman  
*Yonkers, New York*

Rosenwasser, Steven Jonathan  
*Roslyn Heights, New York*

Rossi, Douglas Dale  
*Santa Monica, California*

Rothkopf, Douglas Miller  
*Cedarhurst, New York*

Roulier, Joseph Charles  
*Pittsfield, Massachusetts*

Salomon, Gary David  
*Brookline, Massachusetts*

Sarafian, Steven Sarkis  
*Bronx, New York*

Saunders, Timothy James  
*Dayton, Ohio*

Saverine, Peter Charles  
*Darien, Connecticut*

Schermer, Gregory Philip  
*Pleasant Valley, Iowa*

Schimmel, Robert Nelson  
*Essex Fells, New Jersey*

Schnell, Paul Thomas  
*New York, New York*

Schwartz, William Irving  
*Hollywood, Florida*

Seamans, Prescott Tufts  
*New Canaan, Connecticut*

Seaver, Robert Edward  
*Lawrence, Kansas*

# AMHERST COLLEGE

- Sell, Clive Hamilton  
*Nashville, Tennessee*
- Shaw, Mark Hamilton  
*Cartersville, Georgia*
- Shaw, Robert Morrow  
*Maple Glen, Pennsylvania*
- Sherwin, Elton Buchanan  
*Belvedere, California*
- Silva, Armando Max  
*Tulare, California*
- Sirlin, Scott Michael  
*North Woodmere, New York*
- Sizemore, Russell Yost  
*Arlington, Virginia*
- Smith, Jeffrey Howard  
*Wakefield, Rhode Island*
- Smith, Paul March  
*Paris, France*
- Smith, Robert Cranford, Jr.  
*Waycross, Georgia*
- Softness, Barney  
*Glen Cove, New York*
- Soliday, David Shriver, III  
*Litchfield, Connecticut*
- Soule, Robert Ragle  
*Andover, Massachusetts*
- Spratt, Adrian  
*Darien, Connecticut*
- Steinfeld, Andrew Walter  
*Tenafly, New Jersey*
- Stevens, Michael Jonathan  
*Madison, Connecticut*
- Stiles, Joshua Kent  
*Summit, New Jersey*
- Stookey, Crane Wood  
*Hastings-on-Hudson, New York*
- Strach, Edward Paul  
*Muskegon, Michigan*
- Sugerman, Peter Allen  
*Stamford, Connecticut*
- Swain, Robert Burrough, III  
*Old Saybrook, Connecticut*
- Tanger, John Carroll, IV  
*Hanover, Pennsylvania*
- Thayer, Richard Ellsworth  
*Chestnut Hill, Massachusetts*
- Thayer, Robert Edward, Jr.  
*Fanwood, New Jersey*
- Thomas, Bradley Johnathan  
*Alamo, California*
- Thomas, Joseph Simon, Jr.  
*Chicago, Illinois*
- Tiffany, Peter Nelson  
*Pelham, New York*
- Todd, Hector Lincoln, Jr.  
*Buffalo, New York*
- Trachtenberg, Zev Matthew  
*New Haven, Connecticut*
- Tykulsker, David Abe  
*Roslyn Heights, New York*
- Ulmer, John Wiley  
*Ames, Iowa*
- Vater, Paul Edward  
*New Britain, Connecticut*
- Vayer, Joshua Seth  
*Longmeadow, Massachusetts*
- Vickery, Alan Borden  
*Washington, D.C.*
- Vogt, Henry Theodore  
*Brattleboro, Vermont*
- von Toerne, Curt Theodore  
*Mountain Lakes, New Jersey*
- Wagoner, William Fiske  
*Boonville, New York*
- Walker, Peter Shanahan  
*River Forest, Illinois*
- Wallace, Kevin Lloyd  
*Wilbraham, Massachusetts*
- Ware, Ronald Heribert  
*Holyoke, Massachusetts*
- Watkins, Richardson Lawler  
*Oyster Bay, New York*
- Watson, Christopher  
*Marshfield, Massachusetts*
- Wegman, Douglas James  
*Rochester, New York*
- Weidman, James Adam  
*Roslyn, New York*
- Westberg, Dana Burns  
*North Scituate, Rhode Island*
- White, Walter Hiawatha, Jr.  
*Mequon, Wisconsin*
- Whitelaw, Mark Joseph  
*Seekonk, Massachusetts*
- Wieck, Randolph Raymond  
*Louisville, Kentucky*



## FRESHMEN

Williams, Carl Richard  
*Abington, Pennsylvania*  
 Willoughby, Kenneth Gray  
*New Haven, Connecticut*  
 Wilson, Joseph Michael  
*Memphis, Tennessee*  
 Wolpe, Stephen Dov  
*Philadelphia, Pennsylvania*  
 Woolston, Vernon Lee, Jr.  
*Skaneateles, New York*  
 Wright, John Burke  
*Keene, New Hampshire*  
 Wulc, Allan Edward  
*Rydal, Pennsylvania*  
 Wulsin, Drausin Foster  
*Cincinnati, Ohio*  
 Yake, Stephen Lincoln  
*Cohasset, Massachusetts*  
 Young, John Thomas  
*Freeport, New York*

### Freshmen Class of 1977

Adams, Thomas Perrill  
*New Orleans, Louisiana*  
 Adler, Robert Jacob  
*Toms River, New Jersey*  
 Alexander, Edward James  
*Brooklyn, New York*  
 Anderson, Clifford Arthur  
*Briarcliff Manor, New York*  
 Anderson, Duncan Maxwell  
*New City, New York*  
 Appy, Christian Gerard  
*Westport, Connecticut*  
 Apt, Adam Jared  
*Belmont, Massachusetts*  
 Armstrong, Walter Preston, III  
*Memphis, Tennessee*  
 Atherley, Quentin Frederick  
*Hempstead, New York*  
 Atkin, Jeffrey Scott  
*Hollywood, Florida*  
 Ayoub, George Stephen  
*Leominster, Massachusetts*  
 Babbott, David Varick  
*Burlington, Vermont*  
 Bach, Raymond Gordon  
*Great Neck, New York*

Balthazar, Scott Leslie  
*West Springfield, Massachusetts*  
 Banfield, Dean Sinclair  
*New Canaan, Connecticut*  
 Banks, Gordon Leslie  
*New York, New York*  
 Barlow, Robert Sutton  
*Concord, Massachusetts*  
 Bassett, Edwin Ralph  
*Upper Montclair, New Jersey*  
 Beck, William Miles  
*Belcourt, North Dakota*  
 Bellinger, Robert Anderson  
*Stamford, Connecticut*  
 Bellis, Peter John  
*London, England*  
 Bernstein, Richard Bruce  
*Bayside, New York*  
 Bertles, James Billet  
*Greenwich, Connecticut*  
 Best, Gregory Allen  
*Glenview, Illinois*  
 Best, Richard Leonard Mark  
*Evanston, Illinois*  
 Bickel, William Jon  
*Yonkers, New York*  
 Blackwell, Alan Edward  
*New York, New York*  
 Blumberg, Bruce Mitchell  
*Winchester, Massachusetts*  
 Boal, David Geary  
*New Rochelle, New York*  
 Bohjalian, Andrew Peter  
*Miami Lakes, Florida*  
 Bollier, David Alexander  
*Hamden, Connecticut*  
 Boniello, Thomas Robert  
*South Orange, New Jersey*  
 Borum, Nathaniel Kevin  
*Roxbury, Massachusetts*  
 Bottner, Richard Kenneth, Jr.  
*South Salem, New York*  
 Brennan, Kerry Paul  
*Schenectady, New York*  
 Brock, George Benedict  
*Dayton, Ohio*  
 Brock, John Earl  
*Ann Arbor, Michigan*

## AMHERST COLLEGE

- |  |  |
|--|--|
| Brodzik, Richard Frank<br><i>Eggertsville, New York</i>              | Clinton, John Brooks<br><i>Darien, Connecticut</i>               |
| Brophy, James Gerald<br><i>Amherst, Massachusetts</i>                | Cohen, Robert Lawrence<br><i>Lawrence, New York</i>              |
| Brothers, Dwight Douglas<br><i>Concord, Massachusetts</i>            | Collins, Gary Spencer<br><i>Winnetka, Illinois</i>               |
| Brown, Christopher Aubrey<br><i>Cambridge, Massachusetts</i>         | Comerford, David Patrick<br><i>Buffalo, New York</i>             |
| Brown, Gerald Steven<br><i>Rio de Janeiro, Brazil</i>                | Connell, Stewart Allan<br><i>Cincinnati, Ohio</i>                |
| Brown, Joseph Kingman<br><i>Peacham, Vermont</i>                     | Conner, John Thomas<br><i>Park Ridge, Illinois</i>               |
| Bruce, Scott Alden<br><i>Seattle, Washington</i>                     | Cooper, Todd Laurence<br><i>Wyndmoor, Pennsylvania</i>           |
| Buckley, John Christopher<br><i>Needham, Massachusetts</i>           | Crawford, Rickey Lee<br><i>Silver Spring, Maryland</i>           |
| Bulman, Steven Delaney<br><i>Bethesda, Maryland</i>                  | Cromartie, Eric Ross<br><i>Winnetka, Illinois</i>                |
| Burns, David Lloyd<br><i>St. Albans, New York</i>                    | Cross, John Cleaveland<br><i>Weston, Massachusetts</i>           |
| Burton, David Archer Bruce<br><i>Bethesda, Maryland</i>              | Cummings, Gary Paul<br><i>Norway, Maine</i>                      |
| Cadigan, William Joseph Peter<br><i>Brockton, Massachusetts</i>      | Curbelo, Andres Alejandro<br><i>New York, New York</i>           |
| Calabrese, Philip<br><i>New York, New York</i>                       | Curtis, Paul Leonard<br><i>St. Albans, New York</i>              |
| Callanan, Christopher Kernan<br><i>Baltimore, Maryland</i>           | Daniell, Mark Haynes<br><i>Exeter, New Hampshire</i>             |
| Callanan, Richard<br><i>West Roxbury, Massachusetts</i>              | Dasher, Thomas Thomson<br><i>Palatine, Illinois</i>              |
| Cannon, Mark Willard<br><i>Tucson, Arizona</i>                       | Davidson, David Lindsay<br><i>Potomac, Maryland</i>              |
| Carbone, David Paul<br><i>Highland, Maryland</i>                     | DeCamp, Charles Edward<br><i>Flint, Michigan</i>                 |
| Carol, David James<br><i>Mamaroneck, New York</i>                    | Delfiner, Michael Baruch<br><i>Lexington, Massachusetts</i>      |
| Cerf, Christopher David<br><i>Cambridge, Massachusetts</i>           | de Picciotto, Philip Maurice<br><i>New York, New York</i>        |
| Chu, David William<br><i>Schenectady, New York</i>                   | Deutsch, Jeffrey Scott<br><i>Mequon, Wisconsin</i>               |
| Claman, Jeffrey Morris<br><i>Vancouver, British Columbia, Canada</i> | DeVries, Thomas John<br><i>Woodbury, Connecticut</i>             |
| Clark, John Elliott<br><i>Washington, D.C.</i>                       | Diaz, Robert Bentancurt<br><i>Phoenix, Arizona</i>               |
| Cline, Lawrence Tracey<br><i>Williamsport, Maryland</i>              | Dickson, Claude Clarence, Jr.<br><i>Little Ferry, New Jersey</i> |
|  | Dix, Willard Miller<br><i>Mendham, New Jersey</i>                |

## FRESHMEN

- Dolph, John Mather, III  
*Riverside, Connecticut*
- Domijan, David Leo Donald  
*New Britain, Connecticut*
- Donovan, Brian Roger  
*Guilderland, New York*
- Downs, David Erskine  
*Durham, New Hampshire*
- Dunbar, Donald Scott  
*Exeter, New Hampshire*
- Dykehouse, James Brian  
*Spring Lake, Michigan*
- Ehrgood, Daniel Grandin  
*Lebanon, Pennsylvania*
- Eisenhut, Keith Alfred  
*Deansboro, New York*
- Ellis, David Weil  
*Evanston, Illinois*
- Ellis, George Corson, III  
*Atlantic Highlands, New Jersey*
- Erard, Robert Edward  
*Reston, Virginia*
- Evans, Aaron Anthony  
*Indianapolis, Indiana*
- Ewing, Nicholas Newlin  
*Sacramento, California*
- Falkow, Stephen Jay  
*Brooklyn, New York*
- Farrand, Stephen Cole  
*Weston, Connecticut*
- Farren, Joel David  
*Westport, Connecticut*
- Ferm, Robert Paul  
*South Hadley, Massachusetts*
- Fernberger, Peter Baldwin  
*Weston, Massachusetts*
- Finch, Gregory Alan  
*Camarillo, California*
- Fine, Jeffrey Elliot  
*Pawtucket, Rhode Island*
- Fiori, Michael Angelo  
*Valhalla, New York*
- Floro, Francisco Mark Aspuria, Jr.  
*Quezon City, Philippines*
- Foote, Peter Vinton  
*Middlebury, Vermont*
- Foran, John Francis Robert, Jr.  
*New Canaan, Connecticut*
- Fowler, Robert Raissi  
*Enfield, Connecticut*
- Friend, David Michael  
*Highland Park, Illinois*
- Gatlin, Jonathan Clark  
*Evanston, Illinois*
- Gendelman, David Samuel  
*Amherst, Massachusetts*
- Gifford, Thomas Whitcomb  
*Spring Lake, Michigan*
- Gilfix, Jeffrey Lee  
*Wellesley, Massachusetts*
- Gleckel, Louis Wade  
*Tenafly, New Jersey*
- Glover, Stephen Inman  
*London, England*
- Golden, Michael Arthur  
*Fort Washington, Pennsylvania*
- Gomez, Michael Angelo  
*Chicago, Illinois*
- Goodwin, David Menilek  
*Berkeley, California*
- Gorbet, Michael Patrick Joseph  
*Sycamore, Illinois*
- Gordon, Reginald  
*East Orange, New Jersey*
- Granzow, Russell Henry Patrick, Jr.  
*Barrington, Illinois*
- Grass, William Henry  
*Brattleboro, Vermont*
- Gray, Stephen George  
*Taunton, Massachusetts*
- Green, Douglas Edward  
*Greenlawn, New York*
- Greenberg, Andrew Seth  
*Jericho, New York*
- Greene, Christopher Matthew  
*New Britain, Connecticut*
- Greer, Robert Rush  
*South Orange, New Jersey*
- Gross, Jonathan Sterling  
*Lakewood, New Jersey*
- Gruskay, Jeffrey Alan  
*Woobridge, Connecticut*
- Hager, Mark McLaughlin  
*Northbrook, Illinois*
- Hart, Bradford Downey  
*Chevy Chase, Maryland*

# AMHERST COLLEGE

- |  |   |
|--|---|
| Hartman, Kirk Douglas<br><i>Philadelphia, Pennsylvania</i>     | Jones, Jeffrey Entwistle<br><i>Springfield, Virginia</i>    |
| Hawkins, Douglas Ralph<br><i>Portland, Oregon</i>              | Judd, Donald Murray, III<br><i>Hudson, Ohio</i>             |
| Heiligman, Mark Isaac<br><i>Framingham, Massachusetts</i>      | Kamin, James Alan<br><i>Brunswick, Maine</i>                |
| Heinze, Andrew Ritchie<br><i>Matawan, New Jersey</i>           | Kaufer, Jonathan David<br><i>Los Angeles, California</i>    |
| Hellinger, Walter Charles<br><i>Orlando, Florida</i>           | Kay, David Nueve<br><i>Chadds Ford, Pennsylvania</i>        |
| Herrin, Scott H.<br><i>Rydal, Pennsylvania</i>                 | Keller, Christoph, III<br><i>Little Rock, Arkansas</i>      |
| Hicks, Phillip Henry, Jr.<br><i>Wyoming, Ohio</i>              | Kelley, Garrett Purcell, Jr.<br><i>Milwaukee, Wisconsin</i> |
| Hill, Christopher Thomas<br><i>Suva, Fiji Islands</i>          | Kelly, Allan Rowan<br><i>Fort Worth, Texas</i>              |
| Hines, William Harold<br><i>Winnetka, Illinois</i>             | Kelly, Robert Hart<br><i>Fort Worth, Texas</i>              |
| Hirsch, Sheldon Michael<br><i>Bellmore, New York</i>           | Kenney, Lawrence Allen<br><i>Hartford, Connecticut</i>      |
| Hoberman, Harry Mark<br><i>New City, New York</i>              | Kitchell, Robert Webster<br><i>Seattle, Washington</i>      |
| Hoerth, Jeffrey Garrison<br><i>Marblehead, Massachusetts</i>   | Kooij, Maarten Berend<br><i>Bethesda, Maryland</i>          |
| Hogan, Jeffrey John Christopher<br><i>Milwaukee, Wisconsin</i> | Kotfila, Mark Stephen Luke<br><i>Holyoke, Massachusetts</i> |
| Hollister, Thomas James<br><i>Gates Mills, Ohio</i>            | Kramer, Jeffrey Hofman<br><i>Huntington, New York</i>       |
| Hove, Vushe Josiah<br><i>Amherst, Massachusetts</i>            | Lake, Robert Martin, Jr.<br><i>Concord, New Hampshire</i>   |
| Howard, John Whitman, Jr.<br><i>Darien, Connecticut</i>        | Lanznar, Howard Samuel<br><i>Clayton, Missouri</i>          |
| Hulick, David Michael<br><i>Hancock, New Hampshire</i>         | Lawrence, Roger Wenzel<br><i>Westminster, Massachusetts</i> |
| Hupper, John Roscoe, Jr.<br><i>New York, New York</i>          | Levison, Lee Michael<br><i>Newton, Massachusetts</i>        |
| Jacobs, Jeffrey Morris<br><i>Branford, Connecticut</i>         | Levy, Harlan Andrew<br><i>New York, New York</i>            |
| Jakobek, Andrew John<br><i>Longmeadow, Massachusetts</i>       | Levy, Richard Allen<br><i>Winnetka, Illinois</i>            |
| James, Stephen Demers<br><i>Calgary, Alberta, Canada</i>       | Lewallen, Scott Tedford<br><i>Virginia Beach, Virginia</i>  |
| Jaster, Mark Linden<br><i>Washington, D.C.</i>                 | Lewis, James Carroll<br><i>Sherman, Texas</i>               |
| Johnson, Kent Stanfield<br><i>Cos Cob, Connecticut</i>         | Libert, Jeffrey Alan<br><i>Hartsdale, New York</i>          |
| Johnson, Willie, Jr.<br><i>St. Louis, Missouri</i>             | Lin, Hoa Sing<br><i>West Orange, New Jersey</i>             |



- Lipman, Steven Paul  
*Huntington, New York*
- Lirtzman, Harry Michael  
*Stamford, Connecticut*
- Lively, John Sydney  
*Waverly, New York*
- Lobrano, Alexander Flick, Jr.  
*Weston, Connecticut*
- Lockhart, Samuel Kerr  
*Bernardsville, New Jersey*
- Loeb, Michael Rolf  
*Scarsdale, New York*
- Loebner, Benny Joseph  
*Palo Alto, California*
- Loizzo, Joseph John  
*Old Westbury, New York*
- Lombardo, David Michael  
*West Hartford, Connecticut*
- Longfield, Bradley James  
*Basking Ridge, New Jersey*
- Loomis, James William  
*Old Greenwich, Connecticut*
- Lord, William Aborn  
*Providence, Rhode Island*
- Lourie, Ronald Anatole Schuelein  
*New York, New York*
- MacLachlan, Christopher Lind  
*Erie, Pennsylvania*
- Magill, Robert Dale  
*Lake Forest, Illinois*
- Maloney, Timothy Patrick  
*Orchard Park, New York*
- March, Philip Anderson  
*Nashua, New Hampshire*
- Margolis, Alan Jay  
*Lawrence, New York*
- Martin, David Pharis  
*Houston, Texas*
- Martland, Theodore David  
*Woodbury, Connecticut*
- Mayer, William James  
*Greenlawn, New York*
- McDowell, David Patrick  
*Springfield, Massachusetts*
- McHenry, Michael Stephen  
*Washington, D.C.*
- McKecknie, John Parker, Jr.  
*Putnam Valley, New York*
- McLean, Sandy Sylvania  
*Jersey City, New Jersey*
- Meier, David Ethan  
*Stanford, California*
- Mendelsohn, Michael Edward  
*Clayton, Missouri*
- Mendoza, David Chavez  
*Phoenix, Arizona*
- Middleton, John Staubus  
*Bryn Mawr, Pennsylvania*
- Miller, John Bradley  
*Shaker Heights, Ohio*
- Miller, Lloyd James  
*Dayton, Ohio*
- Monroe, Robert Edward, Jr.  
*Rockport, Massachusetts*
- Mooty, Bruce Wilson  
*Edina, Minnesota*
- Morales, Pedro Jaime  
*Bronx, New York*
- Morris, Michael Lewis  
*Blanch, North Carolina*
- Moss, Kevin Murphy  
*New Orleans, Louisiana*
- Moulton, James Roby  
*Brunswick, Maine*
- Murdoch, Peter Stewart  
*Durham, New Hampshire*
- Naylor, David Arthur  
*Wilmington, Delaware*
- Neill, James Mohr  
*Portland, Oregon*
- Nguyen, Trang-Tuan  
*Saigon, South Vietnam*
- Nichols, Keith Frederick  
*Providence, Rhode Island*
- Nowak, Jeremy Lee  
*New York, New York*
- Odim, Jonah Ndukwo Kalu  
*Norwich, Connecticut*
- Oldfield, Frederic Mey  
*Chicago, Illinois*
- Olena, Kenneth Arnold  
*East Aurora, New York*
- Ong, Robert Douglas  
*New Milford, New Jersey*
- Osur, Scott Leigh  
*Storrs, Connecticut*

# AMHERST COLLEGE

- Para, Noel Jan  
*Kingsley, Iowa*
- Parker, William Leonard  
*Buffalo, New York*
- Pastan, Stephen Olenik  
*Potomac, Maryland*
- Patrick, Grant Robert  
*Pittsburgh, Pennsylvania*
- Paul, Joel Richard  
*Harrison, New York*
- Paul, Richard Vincent  
*Longmeadow, Massachusetts*
- Peppard, Bradford Davies  
*Beverly Hills, California*
- Perkins, Carl Scott  
*St. Louis, Missouri*
- Peters, Stephen Jay  
*Charlestown, Indiana*
- Pfeiffer, Richard John  
*Glen Rock, New Jersey*
- Philbrick, James Callan  
*Gorham, Maine*
- Pinkus, Harry Eli  
*Great Neck, New York*
- Pittman, Lamar Jerome  
*Pine Bluff, Arkansas*
- Pollock, Stephen Chaim  
*Winnetka, Illinois*
- Pollock, Terry Alan  
*Tucson, Arizona*
- Pontusson, Jonas Gunnar  
*Thornhill, Ontario, Canada*
- Porter, Albert Roberts  
*Elkins Park, Pennsylvania*
- Poss, Stephen Daniel  
*Amherst, New York*
- Powers, John Michael  
*Manchester, Connecticut*
- Protiva, David Bell  
*Atlanta, Georgia*
- Purdy, Richard Scott  
*Silver Spring, Maryland*
- Quinto, David Walter  
*Tucson, Arizona*
- Rabinowitz, Peter MacGarr  
*Seattle, Washington*
- Rawdon, Robert Clark  
*Riverside, California*
- Regalado, Martin Ruben  
*Ontario, California*
- Regine, Timothy Edmund  
*Warwick, Rhode Island*
- Rehnquist, James Cornell  
*McLean, Virginia*
- Reinsdorf, Marshall Budd  
*King George, Virginia*
- Rich, Todd William  
*Orchard Lake, Michigan*
- Rives, Robert Clement, Jr.  
*Rye Beach, New Hampshire*
- Roberts, James Michael  
*Scarsdale, New York*
- Roberts, Thomas Chambers Wayne, Jr.  
*Princeton, New Jersey*
- Roch, James Jeremy  
*Willimantic, Connecticut*
- Rodman, Richard Harvey  
*Great Neck, New York*
- Rose, George William  
*Bayonne, New Jersey*
- Rosenson, Malcolm David  
*New Orleans, Louisiana*
- Rosenthal, Paul Eric  
*Los Angeles, California*
- Rosenthal, Stephen Harris  
*West Hartford, Connecticut*
- Ross, Stanley Kaare  
*Greenwich, Connecticut*
- Rossin, Allen Edgar  
*West Palm Beach, Florida*
- Rothblum, David Marcus  
*Vienna, Austria*
- Russell, David Joseph  
*Gardner, Massachusetts*
- Sadovnikoff, Nicholas  
*Providence, Rhode Island*
- Sander, Mark VanDyke  
*Milton, Massachusetts*
- Schertler, David  
*Chicago, Illinois*
- Schneider, Peter Andrew  
*Hamburg, New York*
- Schulwolf, James Curtis  
*Jackson Heights, New York*
- Schwalb, Lester Leonard  
*Scranton, Pennsylvania*

- Scott, Philip Emery  
*Lansdowne, Pennsylvania*
- Sena, Thomas John  
*Gloversville, New York*
- Seppa, Gerald Wayne  
*Meriden, Connecticut*
- Shaw, Henry Francis, III  
*Winchester, Massachusetts*
- Shulman, Ron Eleazer  
*Winnetka, Illinois*
- Sims, Mark Norris  
*Hastings-on-Hudson, New York*
- Skeele, Harrison Fowler  
*New Canaan, Connecticut*
- Smith, Arthur Tremaine  
*St. Louis, Missouri*
- Smith, Bill  
*New York, New York*
- Soja, Matthew Joseph  
*Granby, Massachusetts*
- Soleau, William Clifford  
*Concord, Massachusetts*
- Soltren, Rafael  
*New York, New York*
- Spink, David Channing  
*Ann Arbor, Michigan*
- Steinberg, William  
*West Newton, Massachusetts*
- Stevenson, Frank Earl, II  
*Fort Worth, Texas*
- Stolz, Richard Fallis, III  
*Belgrade, Yugoslavia*
- Strassenburg, Gary Alan  
*Port Jefferson, New York*
- Suazo, John Richard  
*Albuquerque, New Mexico*
- Sullivan, Peter Barrett  
*Shaker Heights, Ohio*
- Szymanski, Mikolaj Jerzy  
*Warszawa, Poland*
- Tarpey, Thomas Austin, Jr.  
*South Dennis, Massachusetts*
- Teicher, Bruce Jay  
*Dix Hills, New York*
- Tolbert, Mitchell Page  
*Baton Rouge, Louisiana*
- Trope, Konrad Lytell  
*Los Angeles, California*
- Trout, Phillip Ralph  
*Ruthton, Minnesota*
- Tsien, Sherman Chia Hui  
*Upped Saddle River, New Jersey*
- Tunis, Jeffrey Stewart Alexander  
*Jacksonville, Florida*
- Tunis, Scott William  
*Amherst, Massachusetts*
- Turner, Douglass Allen  
*New York, New York*
- Ubersax, Jeffery Delmar  
*Wilbraham, Massachusetts*
- Vagias, James Neil  
*New Milford, New Jersey*
- Vagourdes, James Moudry  
*Shorewood, Wisconsin*
- Versacci, Timothy Charles  
*Bethlehem, Pennsylvania*
- Vincent, Paul Joseph Michael  
*Lakeland, Minnesota*
- Vogel, David Seth  
*Bronx, New York*
- Wack, Daniel Christopher John  
*Bethesda, Maryland*
- Walker, William Thomas  
*West Roxbury, Massachusetts*
- Warren, Gabriel Penn  
*Fairfield, Connecticut*
- Warren, Godfrey Baldwin  
*Providence, Rhode Island*
- Webster, David Fradd  
*Oregon, Illinois*
- Wells, Christopher Danforth  
*Kenilworth, Illinois*
- Wenson, Robert Patrick Charles  
*Rahway, New Jersey*
- Whittingham, Michael Paul  
*New York, New York*
- Williams, Donald Earle, Jr.  
*Fort Worth, Texas*
- Williams, James, III  
*Winston-Salem, North Carolina*
- Williams, John Michael  
*Tuscaloosa, Alabama*
- Williams, Nicholas Murat  
*Madison Mills, Virginia*
- Wilmer, Charles Inman  
*Atlanta, Georgia*

## AMHERST COLLEGE

Wilson, Richard Anthony, III <i>Bristol, Rhode Island</i>	Wolk, Jeffrey Mark <i>Roslyn, New York</i>
Winkel, Glen Kalani <i>Massapequa, New York</i>	Wysor, James Johnston <i>Pittsburgh, Pennsylvania</i>
Winslow, Jeffrey <i>Tiburon, California</i>	Yen, Paul Michael <i>Newton Highlands, Massachusetts</i>
Winslow, William Fountain <i>Tarboro, North Carolina</i>	Yonamine, Jon Ansho <i>Chicago, Illinois</i>
Withey, James Vance, Jr. <i>Ponca City, Oklahoma</i>	Young, Edward Daniel, III <i>Bowie, Maryland</i>
Wittpenn, John Ryder, Jr. <i>Glen Ridge, New Jersey</i>	Yu, Leonard Tobey <i>Kinnelon, New Jersey</i>
Wolf, Brian Edmund <i>Englewood, New Jersey</i>	Zafiriou, John Marios <i>Athens, Greece</i>
Wolf, Bruce Lee <i>Louisville, Kentucky</i>	Zeigler, Belton Townsend <i>Florence, South Carolina</i>

## EXCHANGE STUDENTS IN RESIDENCE AT AMHERST

### MEMBERS OF TWELVE-COLLEGE INTERCHANGE PROGRAM

<i>Name</i>	<i>Class</i>	<i>College</i>
Adams, Judith Anne <i>Philadelphia, Pennsylvania</i>	1975	Wellesley College
Davis, Joan Palmer <i>Portland, Maine</i>	1975	Wellesley College
Dissosway, Patricia Ann Marie <i>Port Washington, New York</i>	1975	Smith College
Feeney, Joan Narice <i>Dorchester, Massachusetts</i>	1975	Connecticut College
Frost, Andrea Lee <i>Chesnut Hill, Massachusetts</i>	1975	Connecticut College
Goren, Dianne Elise <i>Birmingham, Alabama</i>	1975	Wellesley College
Greenspan, Emily A. <i>Stamford, Connecticut</i>	1975	Vassar College
Heim, David Jacob <i>Burlington, Vermont</i>	1975	Bowdoin College
Keary, Kathleen Ellen Elizabeth <i>Massapequa, New York</i>	1975	Mount Holyoke College
LaBroad, Gail Ann <i>Carlisle, Massachusetts</i>	1974	Mount Holyoke College
Lundin, Ruth <i>Houston, Texas</i>	1975	Mount Holyoke College
MacKinnon, Carol Louise <i>Tenafly, New Jersey</i>	1975	Smith College
Palmer, Elizabeth Armstrong <i>Wellesley, Massachusetts</i>	1976	Mount Holyoke College



## EXCHANGE STUDENTS

<i>Name</i>	<i>Class</i>	<i>College</i>
Perrin, Jane Emily Montague Charlotte, North Carolina	1974	Smith College
Pinto, Suzanne Marie Miramar, Puerto Rico	1975	Wellesley College
Porrizzo, Romy M. Riverdale, New York	1975	Mount Holyoke College
Raether, Christiana Jane Denver, Colorado	1975	Smith College
Schumacher, Janet Lee Prairie Village, Kansas	1975	Mount Holyoke College
Scicchitano, Rita Michele Brooklyn, New York	1974	Mount Holyoke College
Stager, Janise Harris Kent, Ohio	1975	Smith College
Stanton, Pamela S. Syosset, New York	1975	Wellesley College
Thoren, E. Michele Washington, D.C.	1975	Wellesley College
Tirrell, Laura Lee Scarsdale, New York	1975	Smith College
Warner, Jane Hope Phoenix, Arizona	1975	Smith College

## OTHER EXCHANGE PROGRAMS

Adam, Robert David London, England	University of Warwick
Burnett, Michael John Hednesford, England	University of Warwick
Clements, John David Leicester, England	University of Warwick
Dagleish, James Melville Old Woking, England	University of Warwick
Swanzy, Martin Henry Bishop's Stortford, England	University of Warwick

## SPECIAL STUDENTS

Aguirre, Pablo Robertson Santiago, Chile	Dervieux, Etienne Jean Paris, France
Bartovics, Susan Layton Mendenhall, Pennsylvania	Ellis, David Roy Dalton, Massachusetts
Bridgman, James Campbell South Dartmouth, Massachusetts	Gardner, Katherine Stephenson Amherst, Massachusetts
Clermont, Guy Jean Louis Thiezac, France	Herm, Jeffrey Thomas Keene, New Hampshire
DePillis, Vincent Benedict Amherst, Massachusetts	Holmes, Peter Alan Amherst, Massachusetts

## AMHERST COLLEGE

Huber, Werner Hassloch/Pfalz, Germany	Owens, Esther Ruth Amherst, Massachusetts
Lazarus, Mary Ann Amherst, Massachusetts	Romer, Evan James Amherst, Massachusetts
Lieberman, Joshua Elliot Amherst, Massachusetts	Thevenin, Viviane Janine Andree Paris, France
Lyon, Matthew McTee Amherst, Massachusetts	Wiley, Richard David Amherst, Massachusetts
Meyer, Robert Russell Amherst, Massachusetts	Young, Leslie Susan Amherst, Massachusetts

## AMHERST STUDENTS ON LEAVES OF ABSENCE

### EDUCATIONAL LEAVES

<i>Name</i>	<i>Class</i>	<i>College</i>
Alfvin, Peter Wesley Glenview, Illinois	1975	University of California, San Diego
Berry, George Thomas Rye, New Hampshire	1975	Sweet Briar College Junior Year in France
Duff, Charles Blake Baltimore, Maryland	1975	University of Saint Andrews, England
Dumaine, Brian Henry Hampton, New Hampshire	1975	College Year in Athens
Elund, Matthew Jonathan Great Neck, New York	1975	University of Sussex
Fenson, Eitan Moshe Brooklyn, New York	1975	State University of New York at Albany
Gassaway, Laurence, Jr. Brooklyn, New York	1975	University of Ife, Nigeria
Haskell, Grant Pickens Westport, Connecticut	1975	Wesleyan Program in Paris
Horan Brien Joseph Purcell West Hartford, Connecticut	1975	Sweet Briar College Junior Year in France
Lurie, Robert Stix Cincinnati, Ohio	1975	University of Bath, England
McNeish, Douglas Stevenson Wellesley Hills, Massachusetts	1975	Smith College Junior Year in France
Merrit, Haines Rennyson East Aurora, New York	1975	Kyoto, Japan Program
Papandreou, George Andreas King City, Ontario, Canada	1975	University of Stockholm, Sweden
Pulz, John Francisco Memphis, Tennessee	1975	CIDOC, Cuernavaca, Mexico
Roberts, Stephen Amherst, Massachusetts	1975	Beaver College University of London
Rollinson, Keith Thomas Kyle Rahway, New Jersey	1976	Royal College of Music, London

## STUDENTS ON LEAVES

<i>Name</i>	<i>Class</i>	<i>College</i>
Russell, Robert Henry South Hadley, Massachusetts	1975	American Institute for Foreign Study
Sather, Robert Patton Teaneck, New Jersey	1974	Kyoto, Japan Program
Scribner, Kevin Thomas Walla Walla, Washington	1975	Whitman College
Shea, Richard Crate Arlington, Virginia	1975	Universidad Nacional Autonoma, Mexico & Universidad Catolica de Lima, Peru
Smith, John Charles Sudbury, Massachusetts	1975	Beaver College, University of London
Speck, Paul Gregory Harrisonburg, Virginia	1975	Smith College Junior Year in France
Stewart, Robert Cecil Tuscaloosa, Alabama	1975	University of Alabama
Treat, John Whittier East Hampton, Connecticut	1975	Doshisha University, Japan

## UNIVERSITY OF WARWICK EXCHANGE PROGRAM

Cox, William Ruffin New Hartford, New York	1975
---	------

## TWELVE COLLEGE INTERCHANGE PROGRAM

<i>Name</i>	<i>Class</i>	<i>College</i>
Chu, Raymond Wai-Ming Brooklyn, New York	1975	Smith College
Clubb, Merrel Dare Missoula, Montana	1976	National Theatre Institute, Connecticut College
Crease, Robert Poole Chagrin Falls, Ohio	1975	Wellesley College
Feldman, Robert Young Hayward, California	1974	Smith College
Glick, Kenneth Warren West Orange, New Jersey	1975	Wellesley College
Kopper, John Matthias Baltimore, Maryland	1975	Wellesley College
Leiper, Scott Cory Berkeley, California	1976	Smith College
Leslie, Keith Douglas Fayetteville, New York	1976	Smith College
Linden, Christopher Harold Danvers, Massachusetts	1975	Wellesley College
Lorch, Robert Frederick, Jr. West Hartford, Connecticut	1974	Wellesley College

## AMHERST COLLEGE

<i>Name</i>	<i>Class</i>	<i>College</i>
Maloff, Peter C. Queens Village, New York	1975	Smith College
Marcus, Lee Evan Miami, Florida	1975	Wellesley College
Meador, Dwight Derek Tarrytown, New York	1974	National Theatre Institute, Connecticut College
Purdy, Marshall Bartlett Philadelphia, Pennsylvania	1974	National Theatre Institute, Connecticut College
Rauch, Steven Douglas Amherst, Massachusetts	1975	Wellesley College
Ruben, Richard Gordon Scarsdale, New York	1976	Smith College
Wilson, Lee Anthony Winnetka, Illinois	1976	Smith College
Wold, Cameron Lee Urbandale, Iowa	1975	Wellesley College
Wolpe, David Merion, Pennsylvania	1976	Wellesley College

### FIELD STUDY PROGRAMS

<i>Name</i>	<i>Class</i>	<i>Name</i>	<i>Class</i>
Ferrarone, Stephen Francis Springfield, Massachusetts	1974	Schwarz, Eric Pound Ridge, New York	1975
Nussbaum, Mark Stephen West Hartford, Connecticut	1974	Shaw, Casper New York, New York	1974
Ratliff, William Thomas Birmingham, Alabama	1975	Simmons, Peter Alan Winchester, Massachusetts	1974

## SUMMARY OF ENROLLMENT \*

Seniors, Class of 1974	317	Exchange Students	
Juniors, Class of 1975	303	Full Time	29
Sophomores, Class of 1976	312	Part Time	0
Freshmen, Class of 1977	340	Sub Total	1,321
Sub Total	1,272		

\*Not included are the 50 Amherst students who are on leaves of absence away from Amherst as of the first semester, 1973-74.

Graduate Students	0
Special Students	20
Total	1,321



## CLASSIFICATION BY RESIDENCE

New York .....	243	Colorado .....	4
Massachusetts .....	204	Japan .....	4
Connecticut .....	137	Kansas .....	4
New Jersey .....	84	Kentucky .....	4
Pennsylvania .....	82	Oregon .....	4
Illinois .....	62	South Carolina .....	4
Ohio .....	49	Arkansas .....	3
Maryland .....	47	Delaware .....	3
California .....	43	Oklahoma .....	3
Michigan .....	23	Brazil .....	2
New Hampshire .....	21	Hawaii .....	2
Virginia .....	21	Hong Kong .....	2
Minnesota .....	20	Puerto Rico .....	2
Missouri .....	20	South Vietnam .....	2
Maine .....	18	AP0 .....	2
Rhode Island .....	18	Alaska .....	1
Texas .....	18	Austria .....	1
District of Columbia .....	12	Chile .....	1
Florida .....	12	Costa Rica .....	1
Georgia .....	12	Fiji Islands .....	1
Washington .....	11	Germany .....	1
Vermont .....	10	Ireland .....	1
Wisconsin .....	10	Mexico .....	1
Arizona .....	9	Montana .....	1
North Carolina .....	9	Netherlands .....	1
Alabama .....	8	North Dakota .....	1
Tennessee .....	8	Philippines .....	1
England .....	7	Poland .....	1
Louisiana .....	7	Scotland .....	1
Canada .....	6	West Africa .....	1
France .....	6	Wyoming .....	1
Greece .....	6	Yugoslavia .....	1
Indiana .....	5	Zaire .....	1
Iowa .....	5		
New Mexico .....	5	Grand Total .....	1,321



# VI

THE SOCIETY OF THE ALUMNI

THE ALUMNI COUNCIL

THE ALUMNI ASSOCIATIONS

*Amherst Music Building*







# The Society of the Alumni

## OFFICERS

*Honorary President:* J. Henry Neale '24

*President:* Robert S. Bowditch '30

*Vice Presidents:* John T. Adams '29, Stuart G. Brown '34, Frank H. Hunter '24, Henry T. Rathbun '44, W. Sheridan Warrick '44.

*Secretary-Treasurer:* Frederic J. Gardner '49

## COMMITTEES

*Nominating Committee:* John L. Fletcher '39; William S. Kimball '49; Carroll S. Harvey, Jr. '54; Robert Santonelli '64; Michael Ahearn '69.

*Inspectors of Election:* Earl W. Merrill '27; William H. Ross '29; H. Hills Skillings '38.

*Committee to Nominate Alumni Trustees:* William A. Medlicott '39; Harold F. Still '44; James B. Yarnall '49; Graeme K. Howard '54; William L. Meadow '69.

The Annual Meeting of The Society of the Alumni is held on Commencement Weekend.

# The Alumni Council

## OFFICERS

*Chairman:* Robert S. Bowditch '30

*Secretary:* Frederic J. Gardner '49

## EXECUTIVE COMMITTEE

David D. McNeish '49 (Chairman); Robert E. Bingham '40, Robert S. Bowditch '30, William W. Daniel, Jr. '65, Gordon H. Ewen '37, C. Alexander Gordon '69, W. Richard Park '49, Edward E. Phillips, III '52, Robert E. Pruyn '56, C. Michael Spero '58, and James C. Taylor '39.

## REPRESENTATIVES OF CLASSES

1900	Osmond J. Billings	1931	Kingsley F. Norris
1903	Albert W. Atwood	1932	William H. Raye, Jr.
1904	Ernest M. Whitcomb	1933	Bertram H. Bloch
1906	William E. D. Ward	1934	Sanford Keedy
1908	Robert H. Kennedy	1935	Irvin G. Thursby
1909	William H. Wright	1936	Philip H. Clarke
1910	John Porter	1937	James M. Selby
1911	Beeckman J. Delatour	1938	Bennett Meyers
1912	Maurice J. Levy	1939	Robert J. Kelly
1913	Edward S. Morse	1940	Robert A. Potter
1914	Clarence D. Rugg	1941	Robert G. Ingraham, Jr.
1915	George K. Ripley	1942	Edward J. Kneeland
1916	G. Homer Lane	1943	S. Dakin Chamberlain, Jr.
1917	Donald E. Temple	1944	Meredith N. Stiles, Jr.
1918	Edward W. Morehouse	1945	Samuel F. Trull
1919	Herman M. Wessel	1946	S. Thomas Martinelli
1922	Edward S. O'Donnell	1947	Charles E. Goodhue, III
1923	Kurt L. Daniels	1948	William W. Lawrence, Jr.
1924	Cyril K. Collins	1949	Gerald D. Reilly
1925	Merton L. Griswold, Jr.	1950	Robert K. Tisdall
1926	Samuel M. Cameron	1951	Willard T. Weeks
1927	Loomis Patrick	1952	Gordon Hall, III
1928	Stuart Pike	1953	Charles M. Strait
1929	Geoffrey G. Felt	1954	David G. Underwood, II
1930	Richard W. Loud	1955	William B. Duffy, Jr.

## THE ALUMNI COUNCIL

1956	Douglas B. Rhodes	1963	Mark E. Meyerson
1957	Howard T. Bellin	1964	Peter D. Kleinman
1958	C. Michael Spero	1965	William R. Buechner
1959	Richard A. Cook	1966	Charles K. Wray
1960	John F. Swope	1967	Irvin D. Gordon
1961	Alexander S. Twombly, III	1968	Claude A. Pickens
1962	Alfred M. Sadler, Jr.	1969	C. Alexander Gordon

## REPRESENTATIVES OF ALUMNI ASSOCIATIONS

<i>Arizona (Phoenix)</i> Eric H. Marks '17	<i>Maine</i> Richard S. Wolfe '52
<i>Arizona (Tucson)</i> Linn M. Hazen '33	<i>Massachusetts (Central)</i> James M. Karet '58
<i>Baltimore</i> Stephen T. Ellen '37	<i>Michigan</i> Richard J. Langs '55
<i>Boston</i> Lucian J. Colucci '37 Guilbert Q. Wales '35	<i>Minnesota</i> Robert W. Boden '53
<i>California (Northern)</i> David Winslow '38	<i>New Hampshire</i> Harold C. F. Hammerstrom '28
<i>California (Southern)</i> William L. Plunkett '51 Franklin Stockbridge '42	<i>New York (City)</i> William E. Whitney, Jr. '54
<i>Cape Cod</i> Lloyd W. Miller '19	<i>New York (Central)</i> Robert B. Simonton '54
<i>Chicago</i> Robert B. Jarchow '44 Ernest Palmer, Jr. '36	<i>New York (Northeastern)</i> V. Earl Nicklas '39
<i>Connecticut</i> J. Herbert Arnold, Jr. '43	<i>New York (Western)</i> W. Barry Mallon '44
<i>Florida (Gulf Coast)</i> James J. Corral '40	<i>Ohio (Central)</i> John W. Edwards '59
<i>Florida (South)</i> Thatcher W. Rea, Jr. '50	<i>Ohio (Northern)</i> Robert G. McCreary, Jr. '40
<i>Georgia</i> Lee N. Lindeman '59	<i>Ohio (Valley)</i> Stuart J. Swensson, Jr. '46
<i>Hawaii</i> Stuart G. Brown '34	<i>Pennsylvania (Western)</i> Robert L. Munroe '53
<i>Indiana</i> Gerry C. LaFollette '55	<i>Philadelphia</i> Herbert H. Middleton, Jr. '50 Franklin A. Wurman '53
	<i>Pioneer Valley</i> Daniel Leavitt '45
	<i>Rhode Island</i> C. George Taylor '39

## AMHERST COLLEGE

### *Rochester*

Charles P. Northrup '63

James A. Reed, Jr. '52

### *Rocky Mountain*

Frederick K. Conover II '55

### *St. Louis*

Rodney Harris, Jr. '40

William H. Webster '45

### *Texas (Dallas)*

Frederick M. Smith II '56

### *Texas (Houston)*

William C. Liedtke, Jr. '45

### *The Columbia*

Edgar A. Taylor, Jr. '30

### *Washington, D.C.*

William C. Hart '44

A. Lyman Warner, Jr. '58

### *Washington (State)*

George C. Buck '42

### *Wisconsin*

Worden L. McCallum '47

## FOREIGN

### *France*

Archie L. Taylor, Jr. '49

### *Great Britain*

Donald E. Hardy '16

### *Japan*

Toshihiko Yamaguchi '26

### *Korea*

Pyong Re Min '60

## MEMBERS AT LARGE

Robert E. Bingham '40

Gorham L. Cross, Jr. '52

William W. Daniel, Jr. '65

David P. Eastburn '42

Gordon H. Ewen '37

C. Alexander Gordon '69

David D. McNeish '49

Herbert H. Middleton, Jr. '50

Stephen B. Oresman '54

W. Richard Park '49

Edward E. Phillips, III '52

Robert E. Pruyn '56

Joseph F. Quinn, Jr. '69

C. Michael Spero '58

James C. Taylor '39

William McC. Vickery '57



# The Alumni Associations

1973-1974

## EASTERN & SOUTHERN ASSOCIATIONS

**The Association of Boston.** *President:* H. Irving Grousbeck II '56, 54 Lewis Wharf, Boston, Massachusetts 02110. *Secretary:* Robert E. Pruyne '56, 19 Priscilla Road, Wellesley Hills, Massachusetts 02181.

**The Association of Cape Cod.** *President:* Robert O. Anthony '26, 56 Bacon Lane, Centerville, Massachusetts 02632. *Secretary:* Lloyd W. Miller '19, 1300 Craigville Beach Road, Centerville, Massachusetts 02632.

**The Association of Central Massachusetts.** *President:* Michael Abodeely '58, 9 Dubiel Drive, Worcester, Massachusetts 01609. *Secretary:* Robert A. Armstrong '58, 15 Monadnock Road, Worcester, Massachusetts 01609.

**The Pioneer Valley Association.** *President:* Thomas J. O'Connor, Jr. '47, 42 Oakland Road, Wilbraham, Massachusetts 01095. *Secretary:* Jonathan P. Rice, 30 Pleasantview Avenue, Longmeadow, Massachusetts 01106.

**The Association of Connecticut.** *President:* Roger P. Morgan '55, 80 Grennan Road, West Hartford, Connecticut 06107. *Secretary:* Gerald A. Roisman '59, 164 Beacon Hill Drive, West Hartford, Connecticut 06117.

**The Association of Maine.** *President:* William F. Julavits '64, University of Maine, 246 Deering Avenue, Portland, Maine 04102. *Secretary:* David F. Whorf '50, 92 Oak Street, Portland, Maine 04101.

**The Association of New Hampshire.** *President:* David G. Underwood, II, M.D. '54, 29 Rumford Street, Concord, New Hampshire 03301. *Secretary:* John F. Swope '60, United Life & Accident Insurance Company, 2 White, Concord, New Hampshire 03301.

**The Association of Rhode Island.** *President:* Gordon Holmes, 61 Barnes Street, Providence, Rhode Island 02906. *Secretary:* James E. Crowley, Rt. 1, Box 511-E, Westerly, Rhode Island 02891.

**The Association of New York.** *President:* Emery W. Harper '58, 156 East 79th Street, New York, New York 10021. *Secretary:* Frederick D. Hill '67, 40 East 83rd Street, New York, New York 10028.

## AMHERST COLLEGE

**The Association of Northeastern New York.** *President:* Robert M. Blumenberg, M.D. '55, 2259 Algonquin Road, Schenectady, New York 12309. *Secretary:* Richard W. Rubenstein '66, 60 State Street, Albany, New York 12207.

**The Association of Central New York.** *President:* Arnold Poltenson '56, 4882 Briarwood Lane, Manlius, New York 13104. *Secretary:* Philip R. Chase '58, 4 Edgewood Parkway, Fayetteville, New York 13066.

**The Association of Western New York.** *President:* Richard L. Gernold '60, 6635 East Quaker, Orchard Park, New York 14127. *Secretary:* James W. Greene, II '61, 1131 Rand Building, Buffalo, New York 14203.

**The Association of Rochester.** *President:* David N. Tufts '40, Suite 1527, 1 Marine Midland Plaza, Rochester, New York 14604. *Secretary:* Hervey C. Merrill '41, 15 East View Terrace, Pittsford, New York 14534.

**The Association of Philadelphia.** *President:* G. Parke Rouse, III '67, Box 146, Gladwyne, Pennsylvania 19035. *Secretary:* Winthrop H. Smith, Jr. '71, 628 Spruce Street, Philadelphia, Pennsylvania 19106.

**The Association of Western Pennsylvania.** *President:* George O. Baker '33, 4901 Frich Drive, Pittsburgh, Pennsylvania 15227. *Secretary:* Robert L. Munroe '53, 613 Berkshire Drive, Pittsburgh, Pennsylvania 15215.

**The Association of Washington, D.C.** *President:* Carl R. Gray, M.D., '57, 5923 Gloster Road, Washington, D.C. 20016. *Secretary:* Charles W. Johnson, III '60, 5914 Ramsgate Road, Washington, D.C. 20016.

**The Association of Baltimore.** *President:* David G. F. Mock '47, 1121 Bellemore Road, Baltimore, Maryland 21210. *Secretary:* Carroll R. Hebbel '64, 8109 Clyde Bank Road, Baltimore, Maryland 21234.

**The Association of Georgia.** *President:* Robert R. Eckardt '55, 210 Mt. Paran Road, N.W., Atlanta, Georgia 30327. *Secretary:* Lee N. Lindeman '59, 374 Lake Forrest Lane, N.E., Atlanta, Georgia 30305.

**The Association of South Florida.** *President:* Thatcher W. Rea, Jr. '50, 6040 Southwest 104th Street, Miami, Florida 33156. *Secretary:* C. Richard Faunt '39, Box 1023, Leesburg, Florida 32748.

**The Gulf Coast Alumni Association.** *President:* George W. Phillips '52, 3300 Henderson Boulevard, Tampa, Florida 33609. *Secretary:* Jay H. Tiffin '50, 456 Gardenia Street, Belleair, Clearwater, Florida 33516.

## CENTRAL & FAR WESTERN ASSOCIATIONS

**The Association of Northern Ohio.** *President:* David M. Smith, Jr. '62, 3115 Scarborough Road, Cleveland Heights, Ohio 44118. *Secretary:* W. Robert Perkins, III '61, 2941 Claremont Road, Shaker Heights, Ohio 44122.

## THE ALUMNI ASSOCIATIONS

**The Association of Central Ohio.** *President:* William L. Millard '53, 150 East Broad Street, Columbus, Ohio 43215. *Secretary:* John W. Edwards '59, 6417 Linworth Road, Worthington, Ohio 43085.

**The Association of the Ohio Valley.** *President:* Stuart J. Swensson '46, 823 Princeton Drive, Terrace Park, Ohio 45174. *Secretary:* Terrence D. Garrigan '50, 1016 Markley Road, Cincinnati, Ohio 45230.

**The Association of Indiana.** *President:* Gerry C. LaFollette '55, 7016 Warwick Road, Indianapolis, Indiana 46220.

**The Association of Michigan.** *President:* Donald A. Walker, Jr. '65, 794 University Place, Grosse Pointe, Michigan 48230.

**The Amherst Club of Chicago.** *President:* Benjamin K. Aurand '63, A. G. Becker & Company, 1 First National Plaza, Chicago, Illinois 60670. *Secretary:* James M. Klancnik '64, Wilson-McIlvaine, 120 W. Adams Street, Chicago, Illinois 60603.

**The Association of Wisconsin.** *President:* John A. Stephens '56, 6401 North Santa Monica Boulevard, Milwaukee, Wisconsin 53217. *Secretary:* Richard D. Foerster '50, WISN-Television, 759 North 19th Street, Milwaukee, Wisconsin 53233.

**The Association of St. Louis.** *President:* G. Lynn Krause, Jr., M.D., '50, 9740 Litzsinger Road, St. Louis, Missouri 63124. *Secretary:* John F. Keydel '51, 41 Picardy Lane, Ladue, Missouri 63124. *Assistant Secretary:* Charles E. H. Luedde '66, 1600 Boatmen's Bank Building, St. Louis, Missouri 63102.

**The Association of Minnesota.** *President:* Charles M. Webster '57, Dain Tower, 110 South 6th Street, Minneapolis, Minnesota 55402. *Secretary-Treasurer:* John G. Turner '61, 20 Washington Avenue S., Minneapolis, Minnesota 55440.

**The Association of Dallas.** *President:* Frederick M. Smith, II '56, 9950 Strait Lane, Dallas, Texas 75220. *Secretary:* James A. Leidick '63, 5006 Harvest Hill Road, Dallas, Texas 75234.

**The Association of Houston.** *President:* William C. Liedtke '45, 900 Southwest Tower, Houston, Texas 77002. *Secretary:* Howard Barnstone '44, 1303 Vassar, Apartment 5, Houston, Texas 77006.

**The Rocky Mountain Association.** *President:* Dr. Lester L. Garrison '61, 1600 South Forest Street, Denver, Colorado 80222. *Secretary:* Howard W. Jones, III '64, 3630 Deal Street, Houston, Texas 77025.

**The Association of Phoenix.** *President:* William C. Haus '50, Drawer R, Bayless Plaza, Apache Junction, Arizona 85220. *Secretary:* Richard M. Hirsch '57, 7239 North 9th Avenue, Phoenix, Arizona 85021.

## AMHERST COLLEGE

**The Association of Tucson.** *President:* Linn M. Hazen '33, 1345 Maguire Avenue N., Tucson, Arizona 85715. *Secretary:* William H. Creamer '36, P.O. Box 50264, Tucson, Arizona 85703.

**The Association of Southern California.** *President:* John I. Forry '66, Suite 9000, 6300 Wilshire Boulevard, Los Angeles, California 90048. *Secretary:* Andrew G. Galef '54, 606 South Olive Street, Los Angeles, California 90014.

**The Association of Northern California.** *President:* David M. Van Hoesen '55, 2 Bel Air Drive, Orinda, California 94563. *Secretary:* John S. Lancaster '51, 105 Montgomery Street, San Francisco, California 94104.

**The Association of The Columbia.** *President:* Donald W. Sutherland, M.D. '53, 2455 Northwest Marshall Street, Portland, Oregon 97210. *Secretary:* Thomas B. Carstensen '55, 3136 Southwest Gale Avenue, Portland, Oregon 97201.

**The Association of Washington (State).** *President:* John D. Olds '51, 1611 Southwest 170th Street, Seattle, Washington 98166. *Secretary:* Thomas A. Stebbins '42, 7056-54th Street, N.E., Seattle, Washington 98115.

**The Association of Hawaii.** *President:* Lt. Col. Bruce Vernon Bradley '56, 46-291 Ikiiki Street, Kaneohe, Hawaii 96744. *Secretary:* Gordon K. Uyeda '58, 615 Paikau Street, Honolulu, Hawaii 96815.

## FOREIGN ASSOCIATIONS

**The Association of France.** *President:* Neil A. Franzen '53, 81 rue de Versailles, 92 Ville D'Avray, France. *Secretary:* Mark J. Oppenheim '62, 21 Avenue Perrichout 75016, Paris, France.

**The Association of Great Britain.** *President:* Donald E. Hardy '16, 15 Portman Square, London W.1, England.

**The Association of Japan.** *President:* Toshihiko Yamaguchi '26, 5-7 Higashi-Gotanda 5-chome, Shinogawa-ku, Tokyo, Japan. *Secretaries:* Shigeru Okumura '54, 826-11, Terabun, Kamakura-shi, Kanagawa-ken, Japan. Haruhiko Chizawa '63, 1 Midorigaoka-cho, Shibuya-ku, Tokyo, Japan.

**The Association of Korea.** *President:* Byong Kuk Kim '51, Sogany University, Mapo-ku, Seoul, Korea. *Secretary:* Tae Wi Park '61, 336-19 Sukyo Dong Mapo-ku, Seoul, Korea.



INDEX





# Index

- Administration 27
- Admission 41
  - Advanced Placement 43, 61
  - Application for 41
  - As a transfer 44
  - Cooperative Engineering-Science program 44
  - Deferred 41
  - Examinations required 43
  - For Part-Time Study 44
  - Personal Interview for 42
  - Recommended preparation 42
  - Regents examinations 42
- Alumni Associations 287
  - Central and far western 288
  - Eastern and southern 287
  - Foreign 290
- Alumni Council 284
  - Association representatives 285
  - Class representatives 284
  - Members at large 286
- American Studies 71
- Amherst College 35
- Anthropology 76
  - Application fee 41
- Asian Studies 196
- Associates 21
- Astronomy 81
- Attendance 47
- Bachelor of Arts 57
- Bills, payment of 51
- Biology 84
- Biophysics 89
- Black Studies 90
- Calendar, 1973-1975 iv
- Chemistry 96
- Classics 99
- College Board tests 43
- College calendar v
- Colloquia 197
- Committees of the Corporation 4
- Committees of the Faculty 22
- Comprehensive fee 51
- Computer Center, Three College 31
- Contents iii
- Cooperative Doctor of Philosophy 63
- Cooperative Engineering-Science program 44
- Corporation of the College 3
- Course descriptions 67
  - American Studies 71
  - Anthropology 76
  - Asian Studies 196
  - Astronomy 81
  - Biology 84
  - Biophysics 89
  - Black Studies 90
  - Chemistry 96
  - Classics 99
  - Colloquia 197
  - Dramatic Arts 104
  - Economics 108
  - Education 203
  - English 112
  - European Studies 122
  - Fine Arts 124
  - French 181
  - Freshman Seminars 67
  - Geology 128
  - German 132
  - Greek 101
  - History 135
  - History of Science 203
  - Japanese Language 196
  - Kenan Colloquium 200
  - Latin 103
  - Latin American Studies 204
  - Legal Studies 204
  - Linguistics 204
  - Mathematics 146
  - Music 151
  - Neuroscience 156
  - Philosophy 157
  - Physical Education 161
  - Physics 161
  - Political Science 166
  - Psychology 172
  - Religion 176
  - Romance Languages 181
  - Russian 191
  - Slavic Studies 205
  - Sociology 78
  - Spanish 187
- Course Requirements 58

- Degree Requirements 57
  - Bachelor of Arts 55
  - Cooperative Doctor of Philosophy 63
  - With honors 59
- Degrees Conferred 228
  - Honorary 243
- Delinquencies 49
- Doshisha University 40
- Dramatic Arts 104
  
- Early Graduation 61
- Economics 108
- Education 203
- English 112
- Enrollment 247
  - Summary of 278
- European Studies 122
- Examinations 48
- Exchange Students 274
- Expenses 51
  
- Faculty 5
- Faculty committees 22
- Fees 51
- Fellows 24
- Fellowships 213
- Field Study 60
- Financial Aid 53
- Financial Aid Booklet 56
- Fine Arts 124
- Five College Cooperation 38
- Five College Courses 61
- Five Colleges, Incorporated 31
- Folger Shakespeare Library 39
  - Officers 39
- French 181
- Freshman Seminars 67
  
- Geology 128
- German 132
- Greek 101
- Guarantee deposit 51
  
- Health fee 51
- History 135
- History of Science 203
- Honorary degrees 243
- Honors 210
  - Degree with 59
  - Phi Beta Kappa 210
  - Sigma Xi 211
  
- Independent Study 60
- Instruction, courses of 67
  
- Intellectual Responsibility 45
- Interdisciplinary Programs 196
- Interterm 37
  
- Japanese Language 196
- Judicial Board 46
  
- Kenan Colloquium 200
- Kirby Memorial Theater 30
  
- Language Assistants 22
- Latin 103
- Latin American Studies 204
- Lectureships 209
- Legal Studies 204
- Linguistics 204
- Loan funds 55
  
- Mabel Loomis Todd Forest 30
- Major Requirement 58
- Mathematics 146
- Mead Art Building 30
- Music 151
  
- National Theatre Institute 38
- Neuroscience 156
  
- Officers of Administration 27
  
- Part-Time study 44
- Payment of bills 51
- Phi Beta Kappa 210
- Philosophy 157
- Physical Education 161
- Physics 161
- Political Science 166
- Pratt Museum 30
- Presidents of Amherst 38
- Prizes and awards 219
  - American Studies 219
  - Art 219
  - Astronomy 223
  - Biology 219
  - Chemistry 220
  - Citizenship 225
  - Dramatics 220
  - Economics 220
  - English 221
  - French 222
  - Geology 219
  - Greek 222
  - History 222
  - Journalism 222
  - Latin 222
  - Mathematics 223



Medicine 220  
Music 224  
Philosophy 224  
Physical Education 224  
Physics 223  
Political Science 224  
Public Speaking 224  
Religion 224  
Scholarship 225  
Psychology 172

Records and reports 47  
Refund Policy 52  
Regents examinations 42  
Regulations, general 45  
Religion 176  
Religious Advisors 30  
Requirements for degrees 57  
Research Assistants 22  
Research Associates 21  
Robert Frost Library 30  
Romance Languages 181  
Rooms and Board 49  
Russian 191

Scholarships 53  
Sigma Xi 211

Slavic Studies 205  
Society of the Alumni 283  
Sociology 78  
Spanish 187  
Special Programs 196  
Special Students 275  
Special Topics Courses 67  
Student activities fee 51  
Student conduct 45  
Student Health Service 31  
Student loan funds 55  
Students on Leaves 276  
    Educational 276  
    University of Warwick Exchange 277  
    Twelve College Interchange 274, 277  
    Field Study 278  
Summary of enrollment 278

Terms and vacations 45  
Three College Computer Center 31  
Transfer students 44  
Trustees 3  
Tuition and fees 51

Vacations 45  
Visitors 21





95-209

AMHERST COLLEGE BULLETIN

AMHERST COLLEGE

AMHERST, MASS. 01002

Correction Requested

---

Second Class Postage Paid

# Amherst College Bulletin